

SUBSURFACE SOIL INVESTIGATION

US EPA RECORDS CENTER REGION 5



Prepared for:

Greater Southwest Development of Chicago
2601 West 63rd Street
Chicago, Illinois

On a site located at:

3000-3350 West 76th Street
Chicago, Illinois

Prepared by:

Liu P.C.
Engineers/Architects
417 South Dearborn Street
Suite 400
Chicago, Illinois 60605

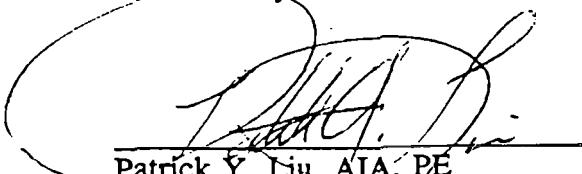
Submitted:

October 20, 1995

Prepared by:


Hoss Najjar, MS
Environmental Geologist

Reviewed by:


Patrick Y. Liu, AIA, PE
Professional Engineer

GREATER SOUTHWEST DEVELOPMENT CORPORATION

2601 WEST 63RD STREET • CHICAGO, ILLINOIS 60629

(312) 436-1000
FAX (312) 471-8206

September 26, 1996

Mr. William D. Seith, Chief Environmental Bureau
State of Illinois Office of the Attorney General
100 W. Randolph Street
Chicago, IL 60601

Re: Property at 76th Street and Albany Avenue.

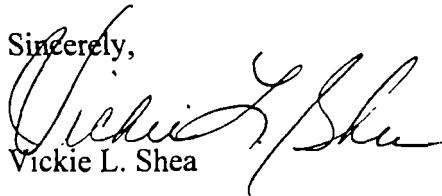
Dear Mr. Seith,

Thank you for your attendance and participation at the meeting this morning concerning the property at 76th Street and Albany Avenue. It appears that the initial steps needed to move forward on this site were agreed upon and real progress will soon be made. Your presence was critical to the success of the meeting and is appreciated accordingly.

Enclosed you will find the Phase I and II environmental studies for the site performed by Patrick Y. Liu, which were agreed to be sent to you at the meeting.

We at the Greater Southwest Development Corporation look forward to working with you in the effort to make this property productive for the City of Chicago and the Southwest Side community.

Sincerely,



Vickie L. Shea

enclosure.

**PHASE I ENVIRONMENTAL ASSESSMENT
3000-3350 WEST 76TH STREET
CHICAGO, ILLINOIS**

SEPTEMBER 22, 1995

PROJECT # GSWH3

**SUBSURFACE SOIL INVESTIGATION
3000-3350 WEST 76TH STREET
CHICAGO, ILLINOIS**

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I - FACILITY INFORMATION

- Owner Samuel Cohen
- Address 303 West Madison Street, # 1600
 Chicago, Illinois
- Phone (312) 977-1600
- Contact Samuel Cohen
- Site Location 3000-3350 West 76th Street, Chicago, Illinois
- Site Description Part of S1/2 of SW1/4 of Section 25, Township 38 North,
 Range 13, East of the Third Principal Meridian, in Cook
 County, Illinois
- Type of Operation This vacant lot was used by Krisjon Construction Co. as a
 dump site for concrete, soil, and construction material
- Tank A total of 3 disposed tanks, most probably underground
 storage tanks (UST) are located along the east central
 section of the property

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II - REPORT SUMMARY

Liu P.C. (LPC) was retained by Greater Southwest Development of Chicago to perform a subsurface soil investigation for the property located at 3000-3350 West 76th Street, Chicago, Illinois. The site consists of a tract of land approximately ten (10) acres in size. This was in response to the Phase I Site Assessment recommendation to perform a subsurface soil investigation based on the previous use and our on-site review of the site.

According to the owner, the property was used for recycling broken concrete slabs and asphalt material during 1989 through 1993. During the on-site investigation, it was revealed that there are areas on the site that contained other disposed materials other than concrete and asphalt. In some areas the dumped material appears to be petroleum contaminated soil.

LPC's subsurface soil investigation covered the study area as outlined in the appendix. This investigation consisted of fourteen (14) soil borings resulting in eighteen (18) soil samples and one water sample. These samples were analyzed for:

- BTEX (Benzene, Ethylbenzene, Toluene, and Xylene) and PNAs 12 samples
- VOC (Volatile Organic Compounds) 5 samples
- PP (Priority Pollutants) 7 samples

Soil boring log and analytical sampling results indicated extensive low levels of contamination for most of this particular property and hazardous contamination (lead) in a defined area. Although the number of soil borings and sample results may not indicate the full extent of the contamination due to the size of the area, it does indicate the presence of a wide range of chemical contamination on the site. This included the following chemicals on the site sampling location:

- SEMI-VOLATILE COMPOUNDS
- VOLATILE COMPOUNDS
- PESTICIDE COMPOUNDS
- RCRA METALS

Three samples from suspected piling and drums containing building shingle tile were analyzed for asbestos. All the samples tested negative.

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III - INTRODUCTION

LPC conducted subsurface soil investigation and soil sampling for the property located at 3000-3350 West 76th Street in Chicago, Illinois. This project was requested by Greater Southwest Development of Chicago, 2601 West 63rd Street, Chicago, Illinois 60629. The purpose of the investigation was to identify the extent of environmental related contamination, if any.

During the site soil sampling, on-site project management was provided by Mr. Hoss Najjarpour, MS, Environmental Geologist.

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IV - PROJECT OVERVIEW

A) Project Description: The property is a tract of land approximately ten (10) acres in size. The subject site is bordered by the following:

North: Chicago and Western Indiana Belt Railroad

East: Drive-in Theater (South Sacramento Avenue)

South: General commercial/industries

West: West Half of vacated Troy Street on the north half, Albany Avenue and commercial/industrial on the south half

1. Background:

The site is currently unoccupied and is not in use. During October 1989 through 1993 it was used for the recycling of broken concrete slabs and asphalt material.

There are broken concrete slabs, asphalt material and construction debris and dirt throughout the site. There is disseminated debris of non-concrete or asphalt origin. The non-concrete and asphalt debris included mechanical-related shop refuse, foliage, and building shingle tiles.

Two evaporated basins were noted on the north portion of the concrete disposal area. The presence of the basins may be the result of natural precipitation followed by the evaporation and/or dumping of regulated liquids.

2. Soil Boring:

On September 21 and 22, 1995, LPC obtained a total of sixteen (16) soil samples from fourteen (14) borings, two (2) surface soil samples and one (1) water sample from the site. Due to the site condition, the soil boring was limited to the areas in which the drilling truck could maneuver (See Appendix A for boring locations).

The soil borings, selected and located in the field were utilized by truck-mounted rotary type of drill rig, which advances the bore holes by continuous flight auger method (ASTM Standard D 1586-84), "Standard Method for Test and Split Barrel Sampling of Soils" and various cutting bits. In the split barrel sampling procedure, a split spoon sampler having a 2 inch outside diameter, an inside diameter of 1-3/8 inches, and a length of 2 feet, is driven into the soil. The sampler is advanced by driving a 140 pound weight falling free from a height of 30 inches with standard penetration resistance being recorded as the number of blows required to advance the sampling spoon a distance of 12 inches after an initial driving of 6 inches has been used to seat the sampler.

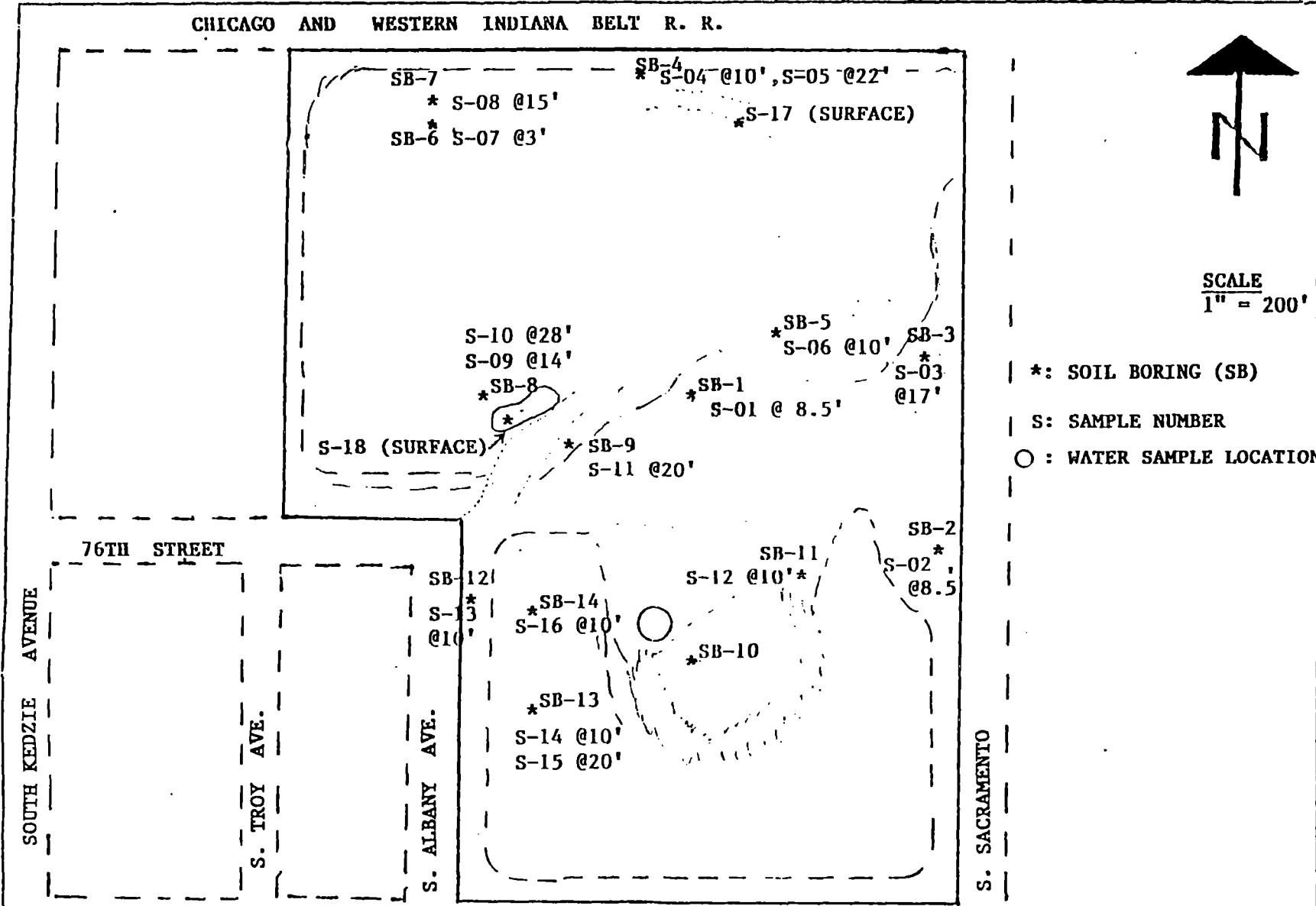
SUBSURFACE SOIL INVESTIGATION
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a. Soil Sampling Procedures: LPC's monitoring of the soil sampling included visual inspection, checking for petroleum odor and final soil sampling. Extracted soil gas from the contaminated soil was continuously screened for VC using a Foxboro Century Organic Volatile Analyzer (OVA) Model 128GC. This unit utilizes a flame ionization detector, fired by a hydrogen flame. As the method of detection, this system responds to virtually all compounds that contain carbon-hydrogen bonds. This was accomplished by measuring ions generated from the combustion of organic compounds in a hydrogen flame. Rated sensitivity of this instrumentation is 0.1 part per million (ppm) total VC with a linear range to 1,000 ppm. The line is activated by charcoal filter and used to differentiate naturally occurring methane from hydrocarbon vapors of concern.

The soil sampling procedures incorporate the following:

1. Representative portions of the split spoon/auger's blade sample.
2. Fill laboratory cleaned glass sample bottle (8 once minimum capacity) with soil using clean stainless steel implements. Close bottle with teflon lined lid. Label the bottle with number, date, time, location, sample depth and analysis parameters.
3. Place in 4° container
4. Clean all sampling implements using hot water and non-foaming detergent. Rinse with hot water and distilled water.
5. After collecting the samples, complete appropriate Chain-of-Custody.

CHICAGO AND WESTERN INDIANA BELT R. R.



LOCATION	3000-3350 WEST 76TH STREET, CHICAGO ILLINOIS	FIGURE
SUBJECT	ESTIMATED SOIL BORING AND SURFACE SAMPLING LOCATION	4

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Liu P.C. performed soil and water sampling on September 21 and 22, 1995. The following nineteen (19) samples were collected with corresponding analytical results (see Appendix A for site map and sample location):

<u>SAMPLE #</u>	<u>LOCATION AND SAMPLE DESCRIPTION</u>	<u>TYPE OF TEST</u>
950922-01	Boring #1 (ground-level), 8.5' down, brown clay with sand	P.P. ¹
950922-02	Boring #2 (ground-level), 8.5' down, dark/brown clay	P.P.
950922-03	Boring #3 (approx. 8' above ground-level), 17' down, brown clay	VOC, BTEX & PNAs
950922-04	Boring #4 (approx. 30' above ground-level), 10' down, gary/brown fill materials	P.P.
950922-05	Boring #4 (approx. 30' above ground-level), 22' down, gary clay	VOC, BTEX & PNAs
950922-06	Boring #5 (approx. 30' above ground-level), 10' down, dark/gary clay	VOC, BTEX & PNAs
950922-07	Boring #6 (approx. 35' above ground-level), 3' down, dark fill materials	VOC, BTEX & PNAs
950922-08	Boring #7 (approx. 35' above ground-level), 15' down, dark fill materials	P.P.
950922-09	Boring #8 (approx. 25' above ground-level), 14' down, dark fill materials	BTEX & PNAs
950922-10	Boring #8 (approx. 25' above ground-level), 28' down, dark clay	BTEX & PNAs

¹- Priority Pollutant

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950922-11	Boring #9 (approx. 20' above ground-level), 20' down, dark clay with sand	BTEX & PNAs
950922-12	Boring #11 (ground-level), 10' down, brown clay	BTEX & PNAs
950922-13	Boring #12 (approx. 3' above ground-level), 10' down, dark/gary clay	BTEX & PNAs
950922-14	Boring #13 (approx. 10' above ground-level), 10' down, dark/gary fill material	P.P.
950922-15	Boring #13 (approx. 10' above ground-level), 20' down, brown clay	VOC, BTEX & PNAs
950922-16	Boring #14 (approx. 10' above ground-level), 10' down, dark fill materials	BTEX & PNAs
950922-17	Surface sample (approx. 30' above ground-level), 1' down, dark/brown soil	BTEX & PNAs
950922-18	Surface sample north central (approx. 20 above ground-level), 1' down, gray clay	P.P.
950922-19	Surface water sample, central by concrete pile, surface water impoundment	P.P.

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b. Site Geology: The soil boring logs indicate the following subsurface soil contamination for the study area: disposed fill materials raised up to 35' above the surface grade on the entire north half; disposed fill materials raised ranging from 10' to 25' above the surface grade on the southwest and south section of the site and disposed concrete slabs in the central section. Fill material ranging from surface grade and up to 7' below the surface grade. Native subsurface soil included gray/brown clay ranging from 5' up to 17' below grade. A hard gray clay located at a depth of 17' below the surface grade with an unknown thickness (20' maximum boring depth below the grade).

No Groundwater was encountered during the borings except the borings at subareas 3 and 4 in the southwest section. The groundwater in the southwest section appears to be purged groundwater at approximately 4 feet below grade due to the blocked storm line in this area.

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B) Chemical Test and Results: The sample results and related requirements for the soil/groundwater clean-up are as follows:

SAMPLE # AND CHEMICAL ANALYZED	BORING #	ELEV. OF BORING LEVEL TO GROUND LEVEL (FT)	SURFACE LEVEL (FT)	SUB-SURFACE LEVEL (FT)	ACTUAL CONTAMINATED COMPOUND (PPM)	ACCEPT. LIMIT (PPM) P.P. LIST.	LEVEL OVER ACCEPT.
950922-01 PP ²	01	GROUND LEVEL	-----	7.5-8.5	ACETONE - 0.050 CADMIUM - 0.013 LEAD - 0.014	0.005 0.005 0.0075	10.0 2.6 1.9
950922-02 PP	02	GROUND LEVEL	-----	7.5-8.5	ACETONE - 0.210 2-BUTANONE - 0.067 LEAD - 1.28	0.005 0.005 0.0075	42.0 13.0 170.0
950922-03 BTEX,PN AS,VOC	03	APPROX. 8 ABOVE	17	17-8=9	ACETONE - 0.082	0.005	16.0

²: PRIORITY POLLUTANT

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950922-04 PP	04	APPROX. 30 ABOVE	8-10	-----	NAPHTHALENE - 0.450 ACENAPHTHENE - 0.432 FLUORENE - 0.549 PHENANTHRENE - 2.234 ANTHRACENE - 0.826 FLUORANTHENE - 2.684 PYRENE - 2.715 CHRYSENE - 1.395 BENZO(A)ANTHRACENE - 1.393 BENZO(B)FLUORANTHENE - 1.599 BENZO(K)FLUORANTHENE - 1.031 BENZO(A)PYRENE - 1.149 BENZO(G,H,D)PERYLENE - 0.342 ACETONE - 0.074 TRICHLOROETHENE - 0.051 CADMIUM (CD) - 0.120 LEAD (PB)- 0.020	0.330 0.330 0.330 0.330 0.330 0.330 0.330 0.330 0.330 0.330 0.330 0.330 0.330 0.005 0.005 0.005 0.0075	1.4 1.3 1.7 6.8 2.5 8.1 8.2 4.2 4.2 4.7 3.1 3.5 1.0 15.0 10.0 24.0 2.7
950922-05 BTEX,PN AS,VOC	04	APPROX. 30 ABOVE	22	-----	BENZO(A)ANTHRACENE - 0.563 BENZO(A)PYRENE - 0.733 BENZO(B)FLUORANTHENE - 0.400 CHRYSENE - 0.390 ACETONE - 0.080 TRICHLOROETHENE - 0.014	0.330 0.330 0.330 0.330 0.005 0.005	1.7 2.2 1.2 1.2 76.0 2.8
950922-06 BTEX,PN AS,VOC	05	APPROX. 30 ABOVE	8-10	-----	BENZO(A)ANTHRACENE - 0.938 BENZO(A)PYRENE - 1.030 BENZO(B)FLUORANTHENE - 0.729 BENZO(K)FLUORANTHENE - 0.368 CHRYSENE - 0.693 INDENO(1,2,3,-C,D)PYRENE - 0.470	0.330 0.330 0.330 0.330 0.330 0.330	2.8 3.1 2.2 1.1 2.1 1.4

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950922-07 BTEX,PN AS,VOC	06	APPROX. 35 ABOVE	2-3	-----	ACENAPHTHENE - 12.400 ANTHRACENE - 11.210 FLUORANTHENE - 62.300 FLUORENE - 2.590 PYRENE 41.500 BENZO(G,H,I)PERYLENE - 5.050 PHENANTHRENE - 48.650 BENZO(A)ANTHRACENE - 21.100 BENZO(A)PYRENE - 34.100 BENZO(B)FLUORANTHENE - 27.300 BENZO(K)FLUORANTHENE - 12.600 CHRYSENE - 27.800 DIBENZO(A,H)ANTHRACEN - 21.300 INDENO(1,2,3,-C,D)PYRENE - 15.300 ACETONE - 0.148	0.330 0.330 0.330 0.330 0.330 0.330 0.330 0.330 0.330 0.330 0.330 0.330 0.330 0.330 0.330 0.005	38.0 34.0 189.0 7.9 126.0 15.0 147.0 64.0 103.0 83.0 38.0 84.0 65.0 46.0 30.0
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950922-08 PP	07	APPROX. 35 ABOVE	15	-----	2-METHYLNAPHTHALENE - 0.788 NAPHTHALENE - 0.660 ACENAPHTHYLENE - 0.336 FLUORENE - 0.451 PHENANTHRENE - 1.449 ANTHRACENE - 0.607 DI-N-BUTYLPHthalATE 0.424 FLUORANTHENE - 1.048 PYRENE - 3.022 BUTYLBENZYLPHthalATE - 2.615 BIS(2-ETHYLHEXYL)PHTHALATE - 44.157 CHIrySENE - 1.190 BENZO(A)ANTHRACENE - 0.965 DI-N-OCTYLPHthalATE - 17.024 BENZO(B)FLUORANTHENE - 0.833 BENZO(K)FLUORANTHENE - 0.953 BENZO(A)PYRENE - 0.607 ACETONE - 0.106 M & P XYLENE - 0.091 2-BUTANONE - 0.066 BENZENE - 0.028 4-METHYL-2-PENTANONE - 0.060 TOLUNE- 0.150 ETHYLBENZENE - 0.147 O-XYLENE - 0.215 CADMIUM (CD) - 0.94	0.330 0.330 0.330 0.330 0.330 0.330 0.330 0.330 0.330 0.330 0.330 0.330 0.330 0.330 0.330 0.005 0.010 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005	2.4 2.0 1.0 1.4 4.4 1.8 1.3 3.2 9.2 7.9 245.0 3.6 2.9 52.0 2.5 2.9 1.8 21.0 9.1 13.0 5.6 12.0 30.0 29.0 43.0 188.0
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950922-09 BTEX,PN AS	08	APPROX. 25 ABOVE	14	-----	BENZO(A)ANTHRACENE - 0.645 BENZO(A)PYRENE - 1.832 BENZO(B)FLUORANTHENE - 0.522 CHRYSENE - 0.498 DIBENZO(A,H)ANTHRACENE - 0.586 INDENO(1,2,3,-C,D)PYRENE - 0.470	0.330 0.330 0.330 0.330 0.330 0.330	2.0 5.6 1.6 1.5 1.8 1.4
950922-10 BTEX,PN AS	08	APPROX. 25 ABOVE	28	28-25=3	FLUORANTHENE - 21.160 PYRENE - 5.740 PHENANTHRENE - 12.100 BENZO(A)ANTHRACENE - 3.830 BENZO(A)PYRENE - 5.150 BENZO(B)FLUORANTHENE - 3.830 BENZO(K)FLUORANTHENE - 1.560 CHRYSENE - 4.060	0.330 0.330 0.330 0.330 0.330 0.330 0.330 0.330	64.0 17.0 37.0 12.0 16.0 12.0 4.7 12.0
950922-11 BTEX,PN AS	09	APPROX. 20 ABOVE	20	20-20=0	ANTHRACENE - 1.360 FLUORANTHENE - 6.040 PYRENE 2.800 PHENANTHRENE - 4.640 BENZO(A)ANTHRACENE - 2.390 BENZO(A)PYRENE - 3.430 BENZO(B)FLUORANTHENE - 2.140 BENZO(K)FLUORANTHENE - 1.100 CHRYSENE - 2.530 INDENO(1,2,3,-C,D)PYRENE - 1.540	0.330 0.330 0.330 0.330 0.330 0.330 0.330 0.330	4.1 18.0 8.5 14.0 7.2 10.0 6.5 3.3 7.7 4.7
950922-12 BTEX,PN AS	11	GROUND LEVEL	-----	10			

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950922-13 BTEX,PN AS	12	APPROX. 3 ABOVE	10	10-3=7	ANTHRACENE - 0.774 FLUORANTHENE - 5.460 PYRENE 3.020 BENZO(G,H,I)PERYLENE - 0.512 PHENANTHRENE - 3.962 BENZO(A)ANTHRACENE - 1.920 BENZO(A)PYRENE - 3.150 BENZO(B)FLUORANTHENE - 2.510 BENZO(K)FLUORANTHENE - 1.040 CHRYSENE - 2.230 DIBENZO(A,I)ANTHRACEN - 1.990 INDENO(1,2,3,-C,D)PYRENE - 1.410	0.330 0.330 0.330 0.330 0.330 0.330 0.330 0.330 0.330 0.330 0.330 0.330 0.330	2.3 17.0 9.2 1.6 12.0 5.8 9.6 7.6 3.2 6.8 6.0 4.3
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950922-14 PP(PESTI CIDE AND HERBICI DES)	13	APPROX. 10 ABOVE	10	10-10=0	BIS(2-CHLOROETHYL)ETHER - 0.666 BENZYL ALCOHOL - 0.522 BIS(2-CHLOROISOPROYL)ETHER - 0.578 N-NITROSO-DI-N-PROPYLAMINE - 0.718 NITROBENZENE - 0.697 HEXACHLOROBUTADIENE - 0.458 2-METHYLNAPHTHALENE - 2.021 1,2,4-TRICHLOROBENZENE - 0.391 ISOPHORONE - 0.552 NAPHTHALENE - 1.143 BIS(2-CHLOROETHOXY)METHANE - 0.535 2-CHLORNAPHTHALENE - 0.525 ACENAPHTHYLENE - 1.003 ACENAPHTHENE - 0.933 DIBENZOFURAN - 0.692 DIMETHYLPHthalate - 1.003 FLUORENE - 1.227 4-NITROANILINE - 1.741 4-CHLOROPHENOL- PHENYLETHER - 1.929 2,4-DINITROTOLUENE - 0.489 DIETHYPHTHALATE - 1.741 N-NITROSODIPHENYLAMINE - 0.900 HEXACHLOROBENZENE - 0.687 PHENANTHRENE - 1.221 4-BROMOPHENYL-PHENYLETHER - 0.645 ANTHRACENE - 0.862 DI-N-BUTYLPHthalate - 0.909 FLUORANTHENE - 0.946	0.330 0.330	2.0 1.6 1.8 2.2 2.1 1.4 6.1 1.2 1.7 3.5 1.6 1.6 3.0 2.8 2.1 13.0 3.8 5.3 5.9 1.5 5.3 2.7 2.1 3.7 2.0 2.6 2.8 2.9
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950922-14 PP(PESTI CIDE AND HERBICI DES) CONTIN UED	13	APPROX. 10 ABOVE	10	10-10=0	PYRENE - 3.091 BUTYLBENZYLPHthalate - 3.411 BIS(2-ETHYLHEXYL)PHTHALATE - 91.388 CHRYSENE - 1.084 BENZO(A)ANTHRACENE - 0.845 DI-N-OCTYLPHthalate - 80.003 BENZO(B)FLUORANTHENE - 1.429 1,2-DICHLOROBENZENE - 0.389 1,4-DICHLOROBENZENE - 0.359 2-CHLOROPHENOL - 0.452 2,4-DIMETHYLPHENOL - 0.744 4-METHYLPHENOL - 0.648 2,4-DICHLOROPHENOL - 0.533 2,4,6-TRICHLOROPHENOL - 0.428 4-CHLORO-3-METHYLPHENOL - 1.056 ACETONE - 0.237 METHYLENE CHLORIDE - 0.007 M & P XYLENE - 0.070 2-BUTANONE - 0.070 BENZENE - 0.015 STYRENE - 0.031 TOLUENE - 0.422 ETHYLBENZENE - 0.468 O-XYLENE - 0.440 BARIUM (BA) - 3.91 CADMIUM (CD) - 0.798 LEAD (PB) - 5.94 4,4'-DDT - 0.132 AROCHLOR-1242 - 0.607	0.330 0.330 0.180 0.330 0.330 0.330 0.330 0.330 0.330 0.330 0.330 0.330 0.330 0.330 0.330 0.330 0.005 0.005 0.010 0.005 0.005 0.010 0.005 0.005 0.005 0.005 2.0 0.005 0.0075 0.016 0.080	9.4 10.0 508.0 3.3 2.7 242.0 4.3 1.2 1.1 1.4 2.3 2.0 1.6 1.3 3.2 47.0 1.4 7.0 14.0 3.0 3.1 84.0 94.0 88.0 2.0 160.0 792.0 8.3 7.6
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950922-15 BTEX,PN AS,VOC	13	APPROX. 10 ABOVE	10	20-10=10	ACETONE - 0.039	0.005	7.8
950922-16 BTEX,PN AS	14	APPROX. 10 ABOVE	10	10-10=0	BENZENE - 0.013 TOLUENE - 0.160 ETHYLBENZENE - 0.113 M & P-XYLENE - 0.186 O-XYLENE - 0.140 FLUORANTHENE - 0.918 PYRENE - 0.456 BENZO(G,H,I)PERYLENE - 0.346 BENZO(A)ANTHRACENE - 0.384 BENZO(A)PYRENE - 0.681 BENZO(B)FLUORANTHENE - 0.332	0.005 0.005 0.005 0.010 0.005 0.330 0.330 0.330 0.330 0.330 0.330	2.6 32.0 23.0 19.0 28.0 2.9 1.4 1.4 1.2 2.1 1.0
950922-17 BTEX,PN AS	SURFACE	APPROX. 30 ABOVE	SURFACE	-----	FLUORANTHENE - 0.787 PYRENE - 0.477 BENZO(G,H,I)PERYLENE - 0.898 BENZO(A)ANTHRACENE - 0.393 BENZO(A)PYRENE - 1.190 BENZO(B)FLUORANTHENE - 0.757 BENZO(K)FLUORANTHENE - 0.456 CHRYSENE - 0.379 DIBENZO(A,I)ANTHRACEN - 0.699 INDENO(1,2,3,-C,D)PYRENE - 0.721	0.330 0.330 0.330 0.330 0.330 0.330 0.330 0.330 0.330 0.330	2.4 1.5 2.7 1.2 3.6 2.3 1.4 1.2 2.1 2.2

SUBSURFACE SOIL INVESTIGATION
3000-3350 WEST 76TH STREET
CHICAGO, ILLINOIS

950922-18 PP	NORTH BASIN	APPROX. 20 ABOVE	SURFACE	-----	ACENAPHTHENE - 0.477 FLUORENE - 0.662 PHENANTHRENE - 2.105 ANTHRACENE - 1.194 FLUORANTHENE - 2.577 PYRENE - 4.500 BUTYLBENZYLPHthalATE - 0.819 BIS(2-ETHYLHEXYL)PHTHALATE - 5.210 CHRYSENE - 2.339 BENZO(A)ANTHRACENE - 2.451 DI-N-OCTYLPHthalATE - 3.653 BENZO(B)FLUORANTHENE - 2.183 BENZO(K)FLUORANTHENE - 1.616 BENZO(A)PYRENE - 1.934 INDENO(1,2,3-CD)PYRENE - 0.424 BENZO(G,H,I)PERYLENE - 0.432 CADMIUM (CD) - 0.037 LEAD (PB) - 0.061	0.330 0.330 0.330 0.330 0.330 0.330 0.330 0.180 0.330 0.330 0.330 0.330 0.330 0.330 0.330 0.330 0.330 0.005 0.0075	1.5 2.0 6.4 3.6 7.8 14.0 2.5 29.0 7.1 7.4 11.0 6.6 4.9 5.9 1.3 1.3 7.4 8.1
950922-19 WATER SAMPLE PP(PESTI CIDE AND HERBICI DES)	-----	CENTRAL SECTION SMALL POND BY CONCRETE AREA			CADMUM (CD) - 0.006	0.005	1.2

**SUBSURFACE SOIL INVESTIGATION
3000-3350 WEST 76TH STREET
CHICAGO, ILLINOIS**

C) Estimated Contaminated Soil: The contaminated plum has been plotted (see site maps). This was determined from LPC's current subsurface soil investigation.

LPC's total estimated soil contamination at two elevations (above and below grade) includes clean concrete and asphalt material. The following consists of the above and below grade breakdown:

Above Grade: The above grade disposed and diverse materials range from 10' to 35' above grade level. A percentage of the diverse materials consist of broken concrete slabs that can be separated from the contamination soil and is estimated at 30% of the total quantity. The site has an estimated area of 927,600 square feet with the following north-south and east-west dimensions:

North of 76th Street: 934' (East-West) by 631' (North-South)

South of 76th Street: 646' (East-West) by 523' (North-South)

This all results in 192,391 c.y. of contaminated soil (30% concrete and 70% soil and debris). The total quantity of contamination based on the aforementioned parameters is estimated at 192,391 cy with approximately 134,673 cy of contaminated soil and debris (70%) and 57,718 cy of broken concrete slab material (30%).

Below Grade: The below grade soil material tested 8 feet below grade with a surface area of 927,600 square feet (assuming the entire site) resulted in a conservative estimate of 274,845 cy of contaminated soil material.

SUBSURFACE SOIL INVESTIGATION
3000-3350 WEST 76TH STREET
CHICAGO, ILLINOIS

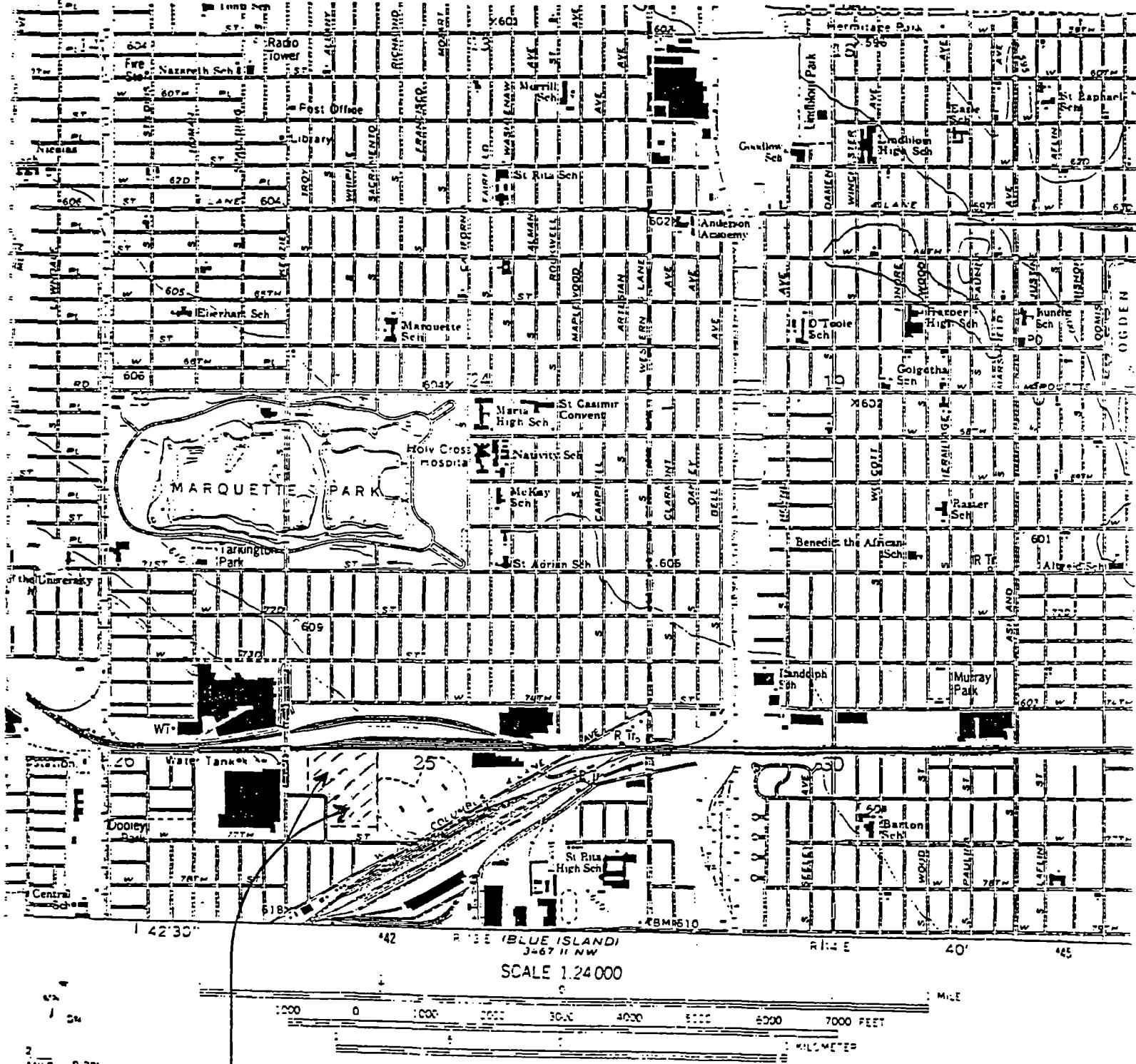
D) Conclusion: Liu P.C.'s subsurface soil investigation included site observation, fourteen (14) soil borings resulting in eighteen (18) soil samples, and one water sample. These samples were analyzed for: BTEX and PNAs (12 samples), VOC (5 samples), and Priority Pollutants (7 samples).

Based on the laboratory chemical analysis results, the contaminated plum has been plotted with an estimated soil contamination at the two grades (below grade and above grade). The total estimated soil contamination above and below grade including broken concrete slab material is estimated at 467,236 cubic yards. The above grade soil contamination is estimated at 134,673 cy with 57,718 cy of broken concrete slab materials. The below grade soil contamination is conservatively estimated at 274,845 cy.

It is apparent, from the initial subsurface soil investigation results, that in order to define the current site conditions, in particular the hazardous contamination (lead), LPC recommends further study to identify and localize the hot spots of the disposed contaminated soil above and below grade on this site. The VOC and RCRA metals soil testing are recommended (see map for the additional proposed soil boring and sampling location). When the plum of soil contamination has been further defined, LPC will be able to quantify the extent of contamination and related costs based on the removal and disposal of clean concrete and asphalt material, separate disposal of clean landfill material, separate disposal of special waste, and separate disposal of hazardous waste.

APPENDIX A - Site Maps

1993 TOPOGRAPHIC MAP FOR THE SITE AND SURROUNDING



STUDY AREA

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
AND ILLINOIS GEOLOGICAL SURVEY, CHAMPAIGN, ILLINOIS 61820
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST



MAGNETIC NORTH
CENTER OF SHEET

1 MILS
0.28'
2 MILS

CONTOUR INTERVAL 5 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

CHICAGO AND WESTERN INDIANA BELT R. R.

STUDY AREA



SCALE
1" = 200'

SOUTH KEDZIE AVENUE

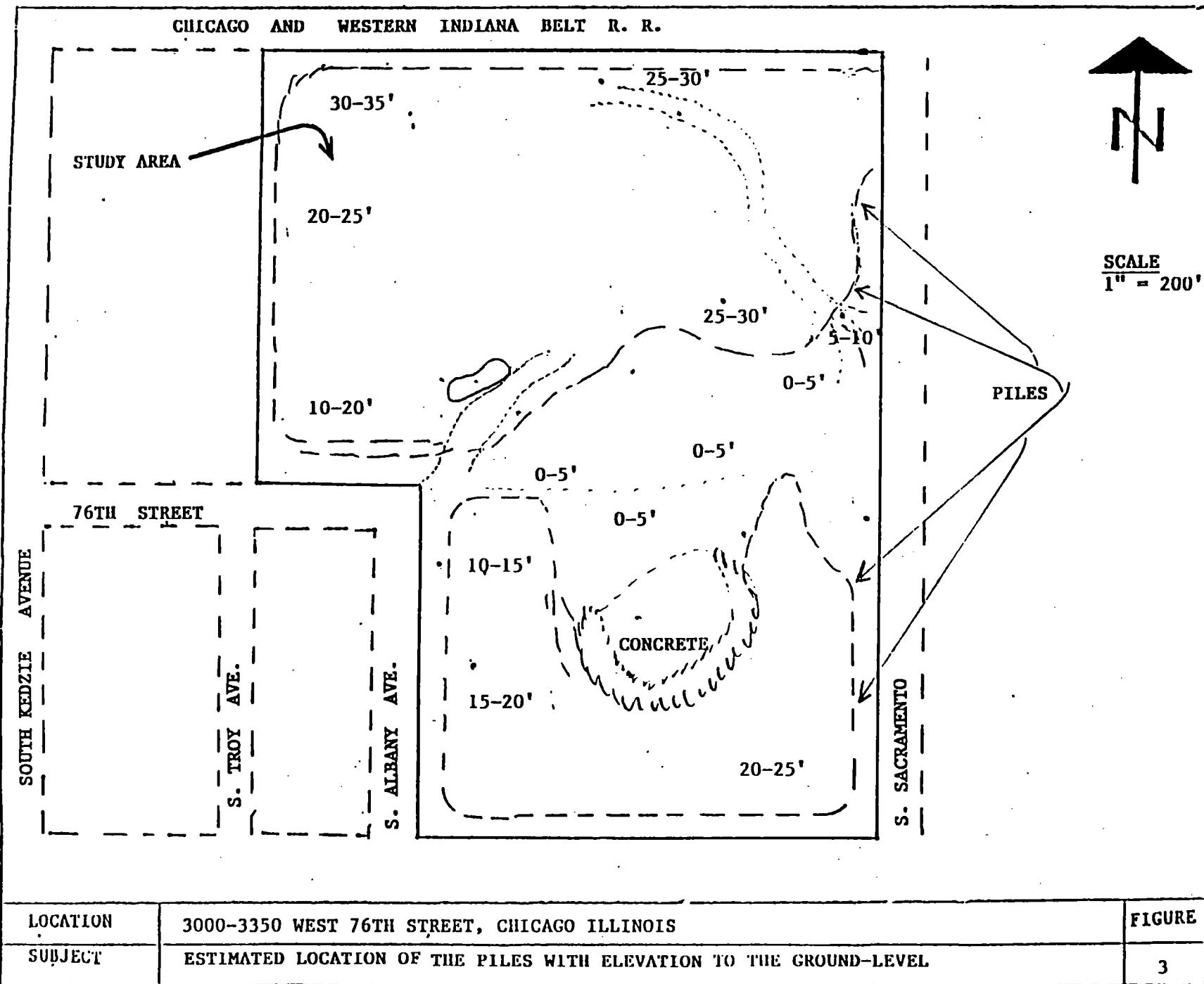
76TH STREET

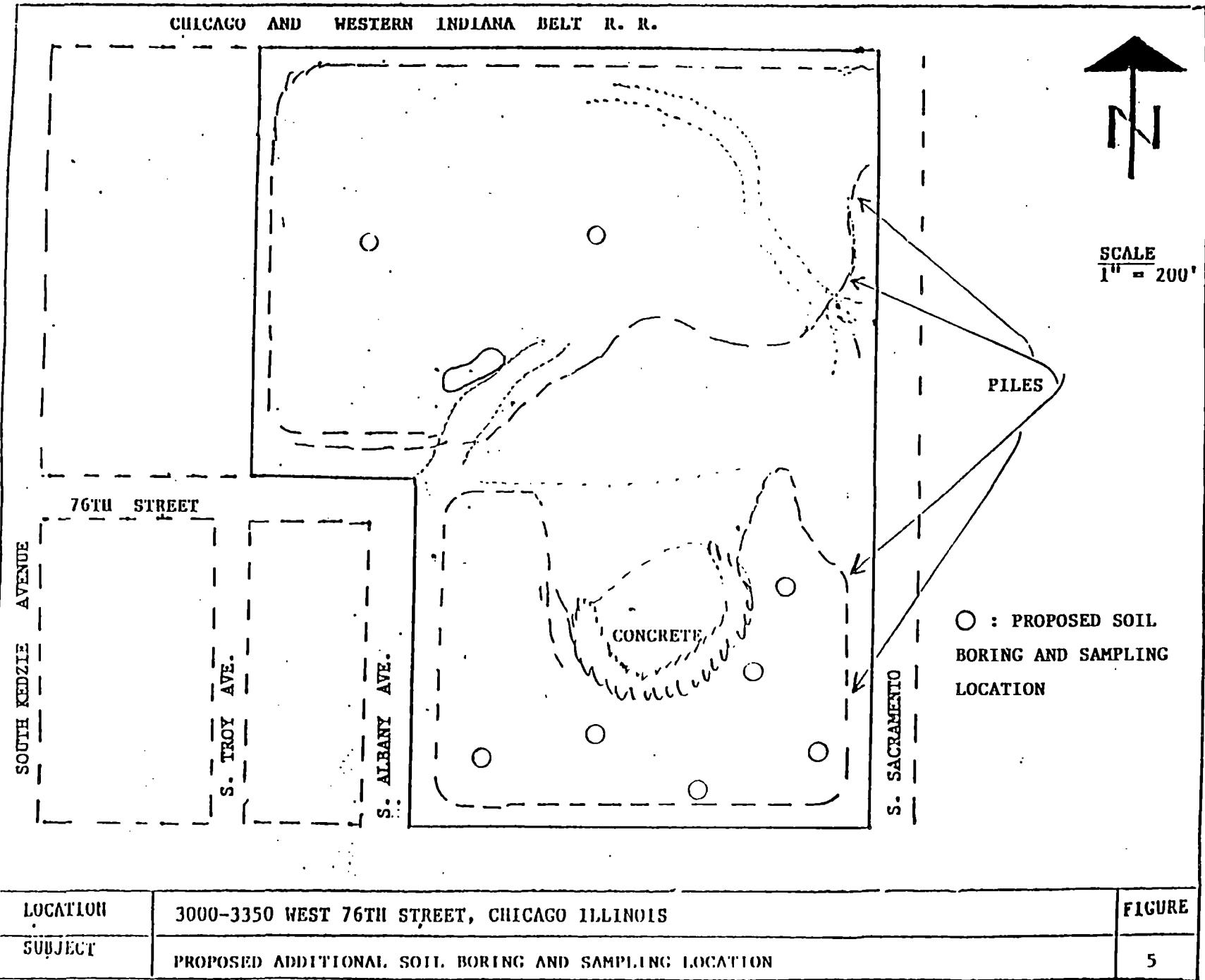
S. TROY AVE.

S. ALBANY AVE.

S. SACRAMENTO

LOCATION	3000-3350 WEST 76TH STREET, CHICAGO ILLINOIS	FIGURE
SUBJECT	MAP OF THE STUDY AREA	2





LOG OF BORING NO. | AND LOCATION OF THE BORE *Central Sect. 3, 170' N. of 32nd St.*

CLIENT: GREATER SOUTHWEST DEVELOPMENT OF CHICAGO

LOCATION: 3000-3350 WEST 76TH STREET, CHICAGO PROJECT DESCRIPTION: SUBSURFACE SOIL INVESTIGATION

DEPTH BELOW GROUND SURFACE (FEET)	SAMPLE #	SAMPLE TYPE	SAMPLE PTST.	SAMPLE RECOV.	ODORS NOTED	OVA-EXCAVATION (ppm)	HEAD SPACE (ppm)	LABORATORY	MATERIAL DESCRIPTION AND COMMENTS
								RESULTS	
5	C1								Fill material Sandy soil
10									P.N.H. / L.C.R.A. negative
15									Black/Brown Silt/Clay sample (P.P.)
20									Brown Clay
25									Gray Clay
									-- end of boring.

COMMENTS: Ground elevation, Sample at 7.5 - 8.5'

WATER LEVEL	BORING DATE: 9/21/95
W.L. —	COMPLETION DATE:
W.L. —	RIG FORMAN:
	DRAWN: H.W A.P.:
	PAGE: 1 OF 1 JOB#

LIU P.C.

417 S. DEARBORN ST.
SUITE 400
CHICAGO, IL 60605

LOG OF BORING NO. Z AND LOCATION OF THE BORE <i>East Central end</i>							
CLIENT: GREATER SOUTHWEST DEVELOPMENT OF CHICAGO							
LOCATION: 3000-3350 WEST 76TH STREET, CHICAGO PROJECT DESCRIPTION: SUBSURFACE SOIL INVESTIGATION							
DEPTH BELOW GROUND SURFACE (FEET)	SAMPLE #	SAMPLE TYPE	SAMPLE REC'D.	OVA-EXCAVATION (ppm)	MEAS SPACE (ppm)	LABORATORY	MATERIAL DESCRIPTION AND COMMENTS
						RESULTS	
5							Redish Fill Clay
5.2							Gray - Black Clay
10							
15							
20							
25							

COMMENTS: Around elevation, Sampled at 7.5 to 8.5'

WATER LEVEL	BORING DATE:	9/21/91
W.L.	COMPLETION DATE:	
W.L.	RIG	FORMAN:
	DRAWN: <i>A.N.</i>	ATT.:
	PAGE: 1 OF 1	JOB#

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LOG OF BORING NO. 3 AND LOCATION OF THE BORE \approx 50' NW of Bore #2

CLIENT: GREATER SOUTHWEST DEVELOPMENT OF CHICAGO

LOCATION: 3000-3350 WEST 76TH STREET, CHICAGO PROJECT DESCRIPTION: SUBSURFACE SOIL INVESTIGATION

DEPTH BELOW GROUND SURFACE (FEET)	SAMPLE #	SAMPLE TYPE	SAMPLE PTST.	SAMPLE THEROV.	ODORS NOTED	OVA-EXCAVATION (ppm)	WELL SPACE (ppm)	LABORATORY		MATERIAL DESCRIPTION AND COMMENTS
								RESULTS		
5										Gray Clay
10										
15										
20	03									Dark-Gray Clay
25										M Gray Clay
										Brown Clay
										Sample (PNA's, BTEX, VOC)

COMMENTS: Boring about 8' above ground level, completed 1/17'

WATER LEVEL	BORING DATE:	9/21/91
W.L.	COMPLETION DATE:	
W.L.	RIG	FORMAN:
	DRAWN:	A.F.
	PAGE:	JOB#

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SUITE 400
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LOG OF BORING NO. 4 AND LOCATION OF THE BORE IN THE NORTH FlAMED LAND						
CLIENT: GREATER SOUTHWEST DEVELOPMENT OF CHICAGO						
LOCATION: 3000-3350 WEST 76TH STREET, CHICAGO						PROJECT DESCRIPTION: SUBSURFACE SOIL INVESTIGATION
DEPTH BELOW GROUND SURFACE (FEET)	SAMPLE #	SAMPLE TYPE	SAMPLE TEST	ODORS NOTED	OVA-EXCAVATION (ppm)	RESULTS
					WEIGHT SPACE (ppm)	
5						Fill Materials, dirt-debris
10	54					Fill Materials, Black dirt Sample (f.P.)
15						Gray-Brown fill material with Pebble and stone
20						
25	05					Gray Clay Sample (BTEX, PNAs, VOC)

COMMENTS: Boring about 30' above ground elevation.

WATER LEVEL	BORING DATE:	9/21/91
W.L.L	COMPLETION DATE:	
W.L.L	RIG	FORMAN:
	DRAWN:	H.N
	PAGE:	072 JOB#

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SUITE 400
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LOG OF BORING NO. 4 AND LOCATION OF THE BORE NE of 3107 N. Cicero Avenue						
CLIENT: GREATER SOUTHWEST DEVELOPMENT OF CHICAGO						
LOCATION: 3000-3350 WEST 76TH STREET, CHICAGO						PROJECT DESCRIPTION: SUBSURFACE SOIL INVESTIGATION
DEPTH BELOW GROUND SURFACE (FEET)	SAMPLE #	SAMPLE TYPE	SAMPLE TEST.	OVA-EXCAVATION (ppm)	LEAD SOURCE (ppm)	LABORATORY
			ODORS NOTED			RESULTS
30						Gray Clay
35						Brown Clay
40						End of Boring
45						
50						

COMMENTS:

WATER LEVEL	BORING DATE: 9/21/95
W.L.L.	COMPLETION DATE:
W.L.L.	RIG FORMAN:
	DRAWN: H.W APP.:
	PAGE: 2 OF 2 JOB#

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SUITE 400
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LOG OF BORING NO. 5 AND LOCATION OF THE BORE SE OT Boring #4

CLIENT: GREATER SOUTHWEST DEVELOPMENT OF CHICAGO

LOCATION: 3000-3350 WEST 76TH STREET, CHICAGO PROJECT DESCRIPTION: SUBSURFACE SOIL INVESTIGATION

DEPTH BELOW GROUND SURFACE (feet)	SAMPLE #	SAMPLE TYPE	SAMPLE DIST.	SAMPLE REC'D.	ODORS NOTED	OVA-EXCAVATION (ppm)	TURBID SPICE (ppm)	LABORATORY	MATERIAL DESCRIPTION AND COMMENTS
								RESULTS	
0									brown fill material of dirt and debris
5									
10	22								dark - calcic clay sample for (B7EY, PIF, VOC)
15									
20									gray clay
25									

COMMENTS: Boring about 30' above ground elevation

WATER LEVEL	BORING DATE:	9/21/75
W.L.	COMPLETION DATE:	
W.L.	RIG	FORMAN:
	DRAWN:	H.R. 1220
	PAGE:	1 OF 1 JOB#

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LOG OF BORING NO. 6 AND LOCATION OF THE BOREN^W of N. Kaled Lane

CLIENT: GREATER SOUTHWEST DEVELOPMENT OF CHICAGO

LOCATION: 3000-3350 WEST 76TH STREET, CHICAGO PROJECT DESCRIPTION: SUBSURFACE SOIL INVESTIGATION

DEPTH BELOW GROUND SURFACE (feet)	SAMPLE #	SAMPLE TYPE	SAMPLE TEST.	SAMPLE RECOV.	ODORS NOTED	OVA-EXCAVATION (ppm)	MEALS SPACE (ppm)	LABORATORY	MATERIAL DESCRIPTION AND COMMENTS
								RESULTS	
0	07								All black/muddy dirt
5									Sickened concrete
10									Drilling refuse! @ 5'
15									
20									
25									

COMMENTS: Boring about 35' above the ground elevation

WATER LEVEL	BORING DATE:	9/22/91
W.L.	COMPLETION DATE:	
W.L.	RIG	FORMAN:
	DRAWN: 10/11/91	APP:
	PAGE: 1	JOB#

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LOG OF BORING NO. 7 AND LOCATION OF THE BORE (100' OF 11. RAIL) *100'*

CLIENT: GREATER SOUTHWEST DEVELOPMENT OF CHICAGO

LOCATION: 3000-3350 WEST 76TH STREET, CHICAGO PROJECT DESCRIPTION: SUBSURFACE SOIL INVESTIGATION

DEPTH BELOW GROUND SURFACE (FEET)	SAMPLE #	SAMPLE TYPE	SAMPLE DIST.	SAMPLE LOCNO.	ODORS NOTED	OVA-EXCAVATION (ppm)	MEAN SPICE (ppm)	LABORATORY	MATERIAL DESCRIPTION AND COMMENTS
								RESULTS	
5									Fill material of dirt and debris
10									Dark fill material of dirt and debris
15	08								Sample (P.P.)
20									
25									Dark clay

COMMENTS: Boring about 35' above the 15' grade elevation

WATER LEVEL	BORING DATE:	4/22/91
W.L. —	COMPLETION DATE:	4/22/91
W.L. —	RIG	FORMAN:
—	DRAWN:	4/22/91
—	PAGE:	1 OF 2 JOB#

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SUITE 400
CHICAGO, IL 60605

LOG OF BORING NO. / AND LOCATION OF THE BORE NO. (+/-). KUBISCH / GAI

CLIENT: GREATER SOUTHWEST DEVELOPMENT OF CHICAGO
LOCATION: 3000-3350 WEST 76TH STREET, CHICAGO PROJECT DESCRIPTION: SUBSURFACE SOIL

DEPTH BELOW GROUNDSURFACE (feet)	SAMPLE #	SAMPLE TESTS	OVER-EXCAVATION WELL SPACE (ft ³)	ODORS NOTED	RESULTS	LABORATORY	MATERIAL DESCRIPTION AND COMMENTS
30							
35							
40							
45							
50							

End of Boring
dry & clay

417 S. DEARBORN ST.
SUITE 400
CHICAGO, IL 60605

LIU P.C.

W.L.I.	REF.	COLLECTION DATE:	W.A.G.E. / C.E. / J.C.W.
W.L.I.	REF.	COLLECTION DATE:	W.A.G.E. / C.E. / J.C.W.
W.L.I.	REF.	COLLECTION DATE:	W.A.G.E. / C.E. / J.C.W.
W.L.I.	REF.	COLLECTION DATE:	W.A.G.E. / C.E. / J.C.W.

LOG OF BORING NO. 8 AND LOCATION OF THE BORE *Site of Heated lot*

CLIENT: GREATER SOUTHWEST DEVELOPMENT OF CHICAGO

LOCATION: 3000-3350 WEST 76TH STREET, CHICAGO PROJECT DESCRIPTION: SUBSURFACE SOIL INVESTIGATION

DEPTH BELOW GROUND SURFACE (FEET)	SAMPLE #	SAMPLE TYPE	SAMPLE DIST.	SAMPLE TIECOV.	ODORS NOTED	OVER-EXCAVATION (ppm)	LEAD SURFACE (ppm)	LABORATORY		MATERIAL DESCRIPTION AND COMMENTS
								RESULTS		
0										
5										Fill material of dirt and stones
10										
15	29									DARK FILL material
20										
25										Clay with sand, dark in color sample (BTEY, ENA)

COMMENTS: Boring went 25' above the ground elevation

WATER LEVEL	BORING DATE:
W.L.L	COMPLETION DATE:
W.L.L	RIG FORMAN:
	DRAWN / / / / /
	PAGE: 1 OF 2 JOB#

LIU P.C.

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SUITE 400
CHICAGO, IL 60605

LOG OF BORING NO. 1 AND LOCATION OF THE BORE							
CLIENT: GREATER SOUTHWEST DEVELOPMENT OF CHICAGO							
LOCATION: 3000-3350 WEST 76TH STREET, CHICAGO							PROJECT DESCRIPTION: SUBSURFACE SOIL INVESTIGATION
DEPTH BELOW GROUND SURFACE (feet)	SAMPLE #	SAMPLE TYPE	SAMPLE TEST.	SAMPLE REC'D.	OVA-EXCAVATION (ppm)	TESTS MADE (ppm)	LABORATORY
							RESULTS
30	10						Sample (BTEY, PVA) End of boring
35							
40							
45							
50							

COMMENTS:

WATER LEVEL	BORING DATE: 9/22/91
W.L.	COMPLETION DATE:
W.L.	RIG FORMAN:
	DRAWDN: 44.11 ft.
	PAGE: 2 OF 2 LOG#

LIU P.C.

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SUITE 400
CHICAGO, IL 60605

LOG OF BORING NO. 1 AND LOCATION OF THE BORE						
CLIENT: GREATER SOUTHWEST DEVELOPMENT OF CHICAGO						
LOCATION: 3000-3350 WEST 76TH STREET, CHICAGO						PROJECT DESCRIPTION: SUBSURFACE SOIL INVESTIGATION
DEPTH BELOW GROUND SURFACE (FEET)	SAMPLE #	SAMPLE TYPE	SAMPLE PTST.	ODORS NOTED	OVA-EXCAVATION (ppm)	HEAD SPACE (ppm)
	LABORATORY				MATERIAL DESCRIPTION AND COMMENTS	
RESULTS						
0						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20	11					
21						
22						
23						
24						
25						

COMMENTS: Boring about 20' above the mean elevation

WATER LEVEL	BORING DATE:	6/22/61
W.L.	COMPLETION DATE:	
W.L.	RIG	FORMAN:
	DRAWN:	A.F.S.
	PAGE:	1 OF 1 JOB#

LIU P.C.

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SUITE 400
CHICAGO, IL 60605

LOG OF BORING NO. 10 AND LOCATION OF THE BORE *Central Section, Concrete*
2/27/81

CLIENT: GREATER SOUTHWEST DEVELOPMENT OF CHICAGO

LOCATION: 3000-3350 WEST 76TH STREET, CHICAGO PROJECT DESCRIPTION: SUBSURFACE SOIL INVESTIGATION

DEPTH BELOW GROUND SURFACE (FEET)	SAMPLE #	SAMPLE TYPE	SAMPLE DIST.	SAMPLE REC'D.	ODORS NOTED	OVA-EXCAVATION (ppm)	WATER TABLE (ppm)	LABORATORY		MATERIAL DESCRIPTION AND COMMENTS
								RESULTS		
5										Concrete blocks — Drilling refuse 1 ft. 5"
10										
15										
20										
25										

COMMENTS: Boring starts 10' above the ground elevation

WATER LEVEL	BORING DATE:	4/2/81
W.L.	COMPLETION DATE:	
W.L.	RIG	FORMAN:
	DRAWN:	4/2/81
	PAGE:	1 OF 1 JOB#

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LOG OF BORING NO. 11 AND LOCATION OF THE BORE Central, NE of Chicago C.I.C.						
CLIENT: GREATER SOUTHWEST DEVELOPMENT OF CHICAGO				LOCATION: 3000-3350 WEST 76TH STREET, CHICAGO PROJECT DESCRIPTION: SUBSURFACE SOIL INVESTIGATION		
DEPTH BELOW GROUND SURFACE (FEET)	SAMPLE TYPE	SAMPLE ID	OZONE MEASUR.	LABORATORY	MATERIAL DESCRIPTION AND COMMENTS	
					RESULTS	
0					F. I. material, concrete and debris	
5					Brown Clay	
10	12				Soil (3785.0 ft.) end of bore	
15						
20						
25						

COMMENTS: Boring at ground elevation

WATER LEVEL	BORING DATE: 9/22/91
W.L.D.	COMPLETION DATE:
W.L.D.	RIG FORMAN:
	DRAWN: A.N. APP.:
	PAGE: 07 OF 10 JOB#

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LOG OF BORING NO. 16 AND LOCATION OF THE BORE \approx 20' to E. of 26th						
CLIENT: GREATER SOUTHWEST DEVELOPMENT OF CHICAGO						
LOCATION: 3000-3350 WEST 76TH STREET, CHICAGO						PROJECT DESCRIPTION: SUBSURFACE SOIL INVESTIGATION
DEPTH BELOW GROUND SURFACE (FEET)	SAMPLE #	SAMPLE TYPE	SAMPLE DESC.	ODORS NOTED	OVA-EXCAVATION (ppm)	LABORATORY RESULTS
TIME SPACED (ppm)					MATERIAL DESCRIPTION AND COMMENTS	
5	16					Fill material including clay, sand, debris Sign of Hg ₂ containing soil fill material
10						Sample (BTEX, PNTs)
15						Brown clay
20						
25						

COMMENTS: Boring about 10' above the ground elevation

WATER LEVEL	BORENG DATE:	9/22/91
W.L. —	COMPLETION DATE:	
W.L. —	RIG	FORMAN:
	DRAWN:	A.F.:
	PAGE:	1 OF 1 JOB#

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SUITE 400
CHICAGO, IL 60605

LOG OF BORING NO. 13 AND LOCATION OF THE BORE SE Section

CLIENT: GREATER SOUTHWEST DEVELOPMENT OF CHICAGO

LOCATION: 3000-3350 WEST 76TH STREET, CHICAGO PROJECT DESCRIPTION: SUBSURFACE SOIL INVESTIGATION

DEPTH BELOW GROUND SURFACE (FEET)	SAMPLE #	SAMPLE TYPE	SAMPLE TEST	SAMPLE RECOV.	ODORS NOTED	OVA-EXCAVATION (ppm)	MEAT SPACE (ppm)	LABORATORY	MATERIAL DESCRIPTION AND COMMENTS	
									RESULTS	
5	14								Fill material including clay, sand, debris Sign of high contaminated fill material	
10	14								Sample (F.P.)	
15	15								Brown Clay	
20	15								Sample (BTEX, PNAs) End of boring	
25										

COMMENTS: Boring about 10' above the ground elevation

WATER LEVEL	BORING DATE:	9/27/91
W.L.	COMPLETION DATE:	
W.L.	RIG	FORMAN:
	DRAWN:	AS-1
	PAGE:	1 OF 1 JOB#

LIU P.C.

417 S. DEARBORN ST.
SUITE 400
CHICAGO, IL 60605

LOG OF BORING NO. 12 AND LOCATION OF THE BORE						
E. of Alhambra Ave., Bu. 2, C.						
CLIENT: GREATER SOUTHWEST DEVELOPMENT OF CHICAGO						
LOCATION: 3000-3350 WEST 76TH STREET, CHICAGO						PROJECT DESCRIPTION: SUBSURFACE SOIL INVESTIGATION
DEPTH FROM GROUND SURFACE (FEET)	SAMPLE #	SAMPLE TYPE	SAMPLE REC'D.	OVA-EXCAVATION (ppm)	WELL SPACER (ppm)	LABORATORY RESULTS
5						MATERIAL DESCRIPTION AND COMMENTS
10	13					Fill material, dirt, sand with stone
15						Dark-gray clay
20						Sample (BTEX, PNAs)
25						Brown clay
						End of boring

COMMENTS: Boring = 3' above the ground line!

WATER LEVEL	BORING DATE: 9/22/91
W.L. —	COMPLETION DATE:
W.L. —	RIG FORMAN:
	DRAWN: H.M. APP.:
	PAGE: OF JOB#

LIU P.C.

417 S. DEARBORN ST.
SUITE 400
CHICAGO, IL 60605

STAT Analysis Corporation

2201 West Campbell Park Drive Chicago, Illinois 60612-3501 312.733.0551 Fax: 312.733.2356

AIHA Accredited #337, NIST/NELAP Accredited #1202

ANALYTICAL REPORT

CLIENT: LIU P.C.
PROJECT ADDRESS: KEDZIE & 76TH
PROJECT #: GSWH4
DATA FILE: 5-03707.D
DATA FILE PATH: C:\HPCHEM\2\DATA\26SEP95\
OPERATOR: AP/FR
METHOD FILE: 91095
SAMPLE ID: COC#504600 950922-01
DATE ANALYZED: 09/26/95
LAB INFO: 30.03
MATRIX: SOIL

TYPE OF ANALYSES

SEMI-VOLATILES by 8270	RESULTS MG/KG	IEPA SOIL SDL MG/KG
------------------------	------------------	---------------------------

BASE/NEUTRAL COMPOUNDS:

Hexachloroethane	<0.330	0.330
bis(2-Chloroethyl)ether	<0.330	0.330
Benzyl alcohol	<0.330	0.330
bis(2-chloroisopropyl)ether	<0.330	0.330
N-Nitroso-di-n-propylamine	<0.330	0.330
Nitrobenzene	<0.330	0.330
Hexachlorobutadiene	<0.330	0.330
2-Methylnaphthalene	<0.330	0.330
1,2,4-Trichlorobenzene	<0.330	0.330
Isophorone	<0.330	0.330
Naphthalene	<0.330	0.330
4-Chloroaniline	<0.330	0.330
bis(2-Chloroethoxy)methane	<0.330	0.330
Hexachlorocyclopentadiene	<0.330	0.330
2-Chloronaphthalene	<0.330	0.330
2-Nitroaniline	<1.600	1.600
Acenaphthylene	<0.330	0.330
3-Nitroaniline	<1.600	1.600
Acenaphthene	<0.330	0.330
Dibenzofuran	<0.330	0.330
Dimethylphthalate	<0.330	0.330
2,6-Dinitrotoluene	<0.330	0.330
Fluorene	<0.330	0.330
4-Nitroaniline	<1.600	1.600
4-Chlorophenyl-phenylether	<0.330	0.330

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AIHA Accredited #337 NIST/NVLAP Accredited #1202

ANALYTICAL REPORT

CLIENT: LIU P.C.
PROJECT ADDRESS: KEDZIE & 76TH
PROJECT #: GSWH4
DATA FILE: 5-03707.D
DATA FILE PATH: C:\HPCHEM\2\DATA\26SEP95\
OPERATOR: AP/FR
METHOD FILE: 91095
SAMPLE ID: COC#504600 950922-01
DATE ANALYZED: 09/26/95
LAB INFO: 30.03
MATRIX: SOIL

TYPE OF ANALYSES

SEMI-VOLATILES by 8270	RESULTS	IEPA SOIL SDL
	MG/KG	MG/KG
2,4-Dinitrotoluene	<0.330	0.330
Diethylphthalate	<0.330	0.330
n-Nitrosodiphenylamine	<0.330	0.330
Hexachlorobenzene	<0.330	0.330
Phenanthrene	<0.330	0.330
4-Bromophenyl-phenylether	<0.330	0.330
Anthracene	<0.330	0.330
Di-n-butylphthalate	<0.330	0.330
Fluoranthene	<0.330	0.330
Pyrene	<0.330	0.330
Butylbenzylphthalate	<0.330	0.330
bis(2-Ethylhexyl)phthalate	<0.180	0.180
Chrysene	<0.330	0.330
Benzo[a]anthracene	<0.330	0.330
3,3'-Dichlorobenzidine	<0.660	0.660
Di-n-octylphthalate	<0.330	0.330
Benzo[b]fluoranthene	<0.330	0.330
Benzo[k]fluoranthene	<0.330	0.330
Benzo[a]pyrene	<0.330	0.330
Indeno[1,2,3-cd]pyrene	<0.330	0.330
Dibenz[a,h]anthracene	<0.330	0.330
1,2-Dichlorobenzene	<0.330	0.330
1,3-Dichlorobenzene	<0.330	0.330
1,4-Dichlorobenzene	<0.330	0.330
Benzo[g,h,i]perylene	<0.330	0.330

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AIHA Accredited #337, NIST/NVLAP Accredited #1202

ANALYTICAL REPORT

CLIENT: LIU P.C.
PROJECT ADDRESS: KEDZIE & 76TH
PROJECT #: GSWH4
DATA FILE: 5-03707.D
DATA FILE PATH: C:\HPCHEM\2\DATA\26SEP95\
OPERATOR: AP/FR
METHOD FILE: 91095
SAMPLE ID: COC#504600 950922-01
DATE ANALYZED: 09/26/95
LAB INFO: 30.03
MATRIX: SOIL

TYPE OF ANALYSES

SEMI-VOLATILES by 8270	RESULTS MG/KG	IEPA SOIL SDL MG/KG
ACID COMPOUNDS:		
Benzoic Acid	<1.600	1.600
Phenol	<0.330	0.330
2-Chlorophenol	<0.330	0.330
2-Nitrophenol	<1.600	1.600
2-Methylphenol & 3-Methylphenol	<0.330	0.330
2,4-Dimethylphenol	<0.330	0.330
4-Methyphenol	<0.330	0.330
2,4-Dichlorophenol	<0.330	0.330
2,4,6-Trichlorophenol	<0.330	0.330
2,4,5-Trichlorophenol	<1.600	1.600
4-Chloro-3-methylphenol	<0.330	0.330
2,4-Dinitrophenol	<1.600	1.600
4,6-Dinitro-2-methylphenol	<1.600	1.600
Pentachlorophenol	<1.600	1.600
4-Nitrophenol	<1.600	1.600

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AIHA Accredited #337, NIST/NVLAP Accredited #1202

EPA SW846 8240 (MODIFIED)

CLIENT: LIU P.C.
PROJECT: GSWH4
SAMPLE ID: COC#504600 95092201
DATE ANALYZED: 09/27/95 DATA FILE: 2601018.D
OPERATOR: KK DATAFILE PATH: C:\HPCHEM.1\DATA\27SEP95\
LAB INFO: 4.81 METHOD FILE: VOC8240

COMPOUND	CONC. (mg/Kg)	PQL (mg·Kg)
Chloromethane	< 0.010	0.010
Vinyl Chloride	< 0.010	0.010
Chloroethane	< 0.005	0.005
Acetone	0.050	0.005
1,1-Dichloroethene	< 0.005	0.005
Bromomethane	< 0.010	0.010
Carbon Disulfide	< 0.010	0.010
Methylene Chloride	< 0.005	0.005
1,2-Dichloroethene (total)	< 0.010	0.010
1,1-Dichloroethane	< 0.005	0.005
Chloroform	< 0.010	0.010
1,2-Dichloroethane	< 0.005	0.005
m & p Xylene	< 0.010	0.010
Vinyl Acetate	< 0.005	0.005
2-Butanone	< 0.005	0.005
1,1,1-Trichloroethane	< 0.005	0.005
Carbon Tetrachloride	< 0.005	0.005
Benzene	< 0.005	0.005
Trichloroethene	< 0.005	0.005
1,2-Dichloropropane	< 0.005	0.005
Bromodichloromethane	< 0.005	0.005
cis-1,3-Dichloropropene	< 0.010	0.010
trans-1,3-Dichloropropene	< 0.010	0.010
1,1,2-Trichloroethane	< 0.005	0.005
Dibromochloromethane	< 0.005	0.005
Chlorobenzene	< 0.005	0.005
Styrene	< 0.010	0.010

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CLIENT: LIU P.C.
PROJECT: GSWH4
SAMPLE ID: COC#504600 95092201
DATE ANALYZED: 09/27/95 DATA FILE: 2601018.D
OPERATOR: KK DATAFILE PATH: C:\HPCHEM\1\DATA\27SEP95\
LAB INFO: 4.81 METHOD FILE: VOC8240

COMPOUND	CONC. (mg/kg)	PQL (mg/kg)
4-Methyl-2-Pentanone	< 0.005	0.005
Toluene	< 0.005	0.005
2-Hexanone	< 0.005	0.005
Tetrachloroethene	< 0.005	0.005
Ethylbenzene	< 0.005	0.005
o-Xylene	< 0.005	0.005
Bromoform	< 0.005	0.005
1,1,2,2-Tetrachloroethane	< 0.005	0.005

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ANALYTICAL REPORT

CLIENT: LIU P.C.
PROJECT ADDRESS: KEDZIE & 76TH
PROJECT #: GSWH4
DATA FILE: 4600MET1
DATA FILE PATH: SEMI\EXCEL\REPORTS\
OPERATOR: GAB/BR
SAMPLE ID: COC# 504600 950922 01
DATE ANALYZED: 9/27/95

TYPE OF ANALYSES	RESULTS MG/L	CORRECTED	REGULATORY LEVEL MG/L
		RESULTS MG/L	
TCLP METALS:			
PRIORITY POLLUTANTS			
ARSENIC (AS)	0.012	0.013	0.05
BARIUM (BA)	0.76	0.54	2.0
CADMIUM (CD)	0.011	0.013	0.005
CHROMIUM, TOTAL (CR)	< 0.06	< 0.07	0.1
LEAD (PB)	0.012	0.014	0.0075
MERCURY (HG)	< 0.0005	< 0.0005	0.002
SELENIUM (SE)	< 0.007	< 0.009	0.05

Anurita P. Indor
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AIHA Accredited #337 NIST NVLAP Accredited #1202

ANALYTICAL REPORT

CLIENT: LIU P.C.
PROJECT ADDRESS: KEDZIE & 76TH
PROJECT #: GSWH4
DATA FILE: 5-03708.D
DATA FILE PATH: C:\HPCHEM\2\DATA\26SEP95\
OPERATOR: AP/FR
METHOD FILE: 91095
SAMPLE ID: COC#504600 950922-02
DATE ANALYZED: 09/26/95
LAB INFO: 30.00
MATRIX: SOIL

TYPE OF ANALYSES

SEMI-VOLATILES by 8270	RESULTS	IEPA
	MG/KG	SOIL SDL
		MG/KG

BASE/NEUTRAL COMPOUNDS:

Hexachloroethane	<0.330	0.330
bis(2-Chloroethyl)ether	<0.330	0.330
Benzyl alcohol	<0.330	0.330
bis(2-chloroisopropyl)ether	<0.330	0.330
N-Nitroso-di-n-propylamine	<0.330	0.330
Nitrobenzene	<0.330	0.330
Hexachlorobutadiene	<0.330	0.330
2-Methylnaphthalene	<0.330	0.330
1,2,4-Trichlorobenzene	<0.330	0.330
Isophorone	<0.330	0.330
Naphthalene	<0.330	0.330
4-Chloroaniline	<0.330	0.330
bis(2-Chloroethoxy)methane	<0.330	0.330
Hexachlorocyclopentadiene	<0.330	0.330
2-Chloronaphthalene	<0.330	0.330
2-Nitroaniline	<1.600	1.600
Acenaphthylene	<0.330	0.330
3-Nitroaniline	<1.600	1.600
Acenaphthene	<0.330	0.330
Dibenzofuran	<0.330	0.330
Dimethylphthalate	<0.330	0.330
2,6-Dinitrotoluene	<0.330	0.330
Fluorene	<0.330	0.330
4-Nitroaniline	<1.600	1.600
4-Chlorophenyl-phenylether	<0.330	0.330

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ANALYTICAL REPORT

CLIENT: LIU P.C.
PROJECT ADDRESS: KEDZIE & 76TH
PROJECT #: GSWH4
DATA FILE: 5-03708.D
DATA FILE PATH: C:\HPCHEM\2\DATA\26SEP95\
OPERATOR: AP/FR
METHOD FILE: 91095
SAMPLE ID: COC#504600 950922-02
DATE ANALYZED: 09/26/95
LAB INFO: 30.00
MATRIX: SOIL

TYPE OF ANALYSES

SEMI-VOLATILES by 8270	RESULTS	IEPA SOIL SDL
	MG/KG	MG/KG
2,4-Dinitrotoluene	<0.330	0.330
Diethylphthalate	<0.330	0.330
n-Nitrosodiphenylamine	<0.330	0.330
Hexachlorobenzene	<0.330	0.330
Phenanthrene	<0.330	0.330
4-Bromophenyl-phenylether	<0.330	0.330
Anthracene	<0.330	0.330
Di-n-butylphthalate	<0.330	0.330
Fluoranthene	<0.330	0.330
Pyrene	<0.330	0.330
Butylbenzylphthalate	<0.330	0.330
bis(2-Ethylhexyl)phthalate	<0.180	0.180
Chrysene	<0.330	0.330
Benzo[a]anthracene	<0.330	0.330
3,3'-Dichlorobenzidine	<0.660	0.660
Di-n-octylphthalate	<0.330	0.330
Benzo[b]fluoranthene	<0.330	0.330
Benzo[k]fluoranthene	<0.330	0.330
Benzo[a]pyrene	<0.330	0.330
Indeno[1,2,3-cd]pyrene	<0.330	0.330
Dibenz[a,h]anthracene	<0.330	0.330
1,2-Dichlorobenzene	<0.330	0.330
1,3-Dichlorobenzene	<0.330	0.330
1,4-Dichlorobenzene	<0.330	0.330
Benzo[g,h,i]perylene	<0.330	0.330

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ANALYTICAL REPORT

CLIENT: LIU P.C.
PROJECT ADDRESS: KEDZIE & 76TH
PROJECT #: GSWH4
DATA FILE: 5-03708.D
DATA FILE PATH: C:\HPCHEM\2\DATA\26SEP95\
OPERATOR: AP/FR
METHOD FILE: 91095
SAMPLE ID: COC#504600 950922-02
DATE ANALYZED: 09/26/95
LAB INFO: 30.00
MATRIX: SOIL

TYPE OF ANALYSES

SEMI-VOLATILES by 8270	RESULTS MG/KG	IEPA SOIL SDL MG/KG
ACID COMPOUNDS:		
Benzoic Acid	<1.600	1.600
Phenol	<0.330	0.330
2-Chlorophenol	<0.330	0.330
2-Nitrophenol	<1.600	1.600
2-Methylphenol & 3-Methylphenol	<0.330	0.330
2,4-Dimethylphenol	<0.330	0.330
4-Methylphenol	<0.330	0.330
2,4-Dichlorophenol	<0.330	0.330
2,4,6-Trichlorophenol	<0.330	0.330
2,4,5-Trichlorophenol	<1.600	1.600
4-Chloro-3-methylphenol	<0.330	0.330
2,4-Dinitrophenol	<1.600	1.600
4,6-Dinitro-2-methylphenol	<1.600	1.600
Pentachlorophenol	<1.600	1.600
4-Nitrophenol	<1.600	1.600

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AIHA Accredited #337 NIST/NVLAP Accredited #1202

EPA SW846 8240 (MODIFIED)

CLIENT: LIU P.C.
PROJECT: GSWH4
SAMPLE ID: COC#504600 95092202
DATE ANALYZED: 09/27/95 DATA FILE: 3101019.D
OPERATOR: KK DATAFILE PATH: C:\HPCHEM\1\DATA\27SEP95\
LAB INFO: 4.30 METHOD FILE: VOC8240

COMPOUND	CONC. (mg/Kg)	PQL (mg/Kg)
Chloromethane	<0.010	0.010
Vinyl Chloride	<0.010	0.010
Chloroethane	<0.005	0.005
Acetone	0.210	0.005
1,1-Dichloroethene	<0.005	0.005
Bromomethane	<0.010	0.010
Carbon Disulfide	<0.010	0.010
Methylene Chloride	<0.005	0.005
1,2-Dichloroethene (total)	<0.010	0.010
1,1-Dichloroethane	<0.005	0.005
Chloroform	<0.010	0.010
1,2-Dichloroethane	<0.005	0.005
m & p Xylene	<0.010	0.010
Vinyl Acetate	<0.005	0.005
2-Butanone	0.067	0.005
1,1,1-Trichloroethane	<0.005	0.005
Carbon Tetrachloride	<0.005	0.005
Benzene	<0.005	0.005
Trichloroethene	<0.005	0.005
1,2-Dichloropropane	<0.005	0.005
Bromodichloromethane	<0.005	0.005
cis-1,3-Dichloropropene	<0.010	0.010
trans-1,3-Dichloropropene	<0.010	0.010
1,1,2-Trichloroethane	<0.005	0.005
Dibromochloromethane	<0.005	0.005
Chlorobenzene	<0.005	0.005
Styrene	<0.010	0.010

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AIHA Accredited #337, NIST/NVLAP Accredited #1202

CLIENT: LIU P.C.
PROJECT: GSWH4
SAMPLE ID: COC#504600 95092202
DATE ANALYZED: 09/27/95 DATA FILE: 3101019.D
OPERATOR: KK DATAFILE PATH: C:\HPCHEM\1\DATA\27SEP95\
LAB INFO: 4.30 METHOD FILE: VOC8240

COMPOUND	CONC. (mg/kg)	PQL (mg/kg)
4-Methyl-2-Pentanone	<0.005	0.005
Toluene	<0.005	0.005
2-Hexanone	<0.005	0.005
Tetrachloroethene	<0.005	0.005
Ethylbenzene	<0.005	0.005
o-Xylene	<0.005	0.005
Bromoform	<0.005	0.005
1,1,2,2-Tetrachloroethane	<0.005	0.005

Armenita P. Riddle
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ANALYTICAL REPORT

CLIENT: LIU P.C.
PROJECT ADDRESS: KEDZIE & 76TH
PROJECT #: GSWH4
DATA FILE: 4600MET2
DATA FILE PATH: SEMI\EXCEL\REPORTS\
OPERATOR: GAB/BR
SAMPLE ID: COC# 504600 950922 02
DATE ANALYZED: 9/27/95

TYPE OF ANALYSES	RESULTS MG/L	CORRECTED RESULTS MG/L	REGULATORY LEVEL MG/L
ARSENIC (AS)	0.012	0.013	0.05
BARIUM (BA)	0.63	0.45	2.0
CADMIUM (CD)	0.003	0.003	0.005
CHROMIUM, TOTAL (CR)	<0.06	<0.07	0.1
LEAD (PB)	1.11	1.28	0.0075
MERCURY (HG)	<0.0005	<0.0005	0.002
SELENIUM (SE)	<0.007	<0.009	0.05

Armenita P. Inday
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AIHA Accredited #337, NIST NVLAP Accredited #1202

BTEX REPORT

CLIENT: LIU P. C.
PROJECT #: GSWH4
PROJECT NAME: KEDZIE + 76th
DATA FILE: 3201020.D
DATA FILE PATH: C:\HPCHEM\1\DATA\27SEP95\
OPERATOR: KK
METHOD FILE: BTEX8240.M
SAMPLE ID: COC#504600 95092203
DATE ANALYZED: 09/27/95
LABORATORY INFO: 5.22
MATRIX: SOIL

TARGET COMPOUNDS	RESULTS	MDL*
	MG/KG	MG/KG
Benzene	<0.005	0.005
Toluene	<0.005	0.005
Ethylbenzene	<0.005	0.005
m & p Xylene	<0.005	0.005
o-Xylene	<0.005	0.005
BTEX TOTAL	<0.025	

* currently no ADLs are given for soil
mg/kg is equivalent to Parts Per Million (PPM)

Arminita P. Phalen
STAT ANALYSIS CORPORATION

B ENZENE
T OLUENE
E THYLBENZENE
X YLENES

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PNA REPORT

CLIENT: LIU P.C.
PROJECT #: GSWH4
PROJECT ADDRESS: KEDZIE & 76TH CHICAGO, IL
DATA FILE: SUPELCO 0143.RPT
OPERATOR: EP
METHOD FILE: PAH8310
SAMPLE ID: COC# 504600 BORING #3, 17'
DATE ANALYZED: 9/28/95
LABORATORY INFO: 7
SAMPLE MATRIX: SOIL

ANALYTES:	RESULTS	PQL'S
	mg/kg	mg/kg
NON-CARCINOGENIC PNAs	(PPM)	

NAPHTHALENE	<0.660	0.660
ACENAPHTHENE	<1.200	1.200
ANTHRACENE	<0.660	0.660
FLUORANTHENE	<0.660	0.660
FLUORENE	<0.140	0.140
PYRENE	<0.180	0.180

OTHER NON-CARCINOGENIC PNAs

ACENAPHTHYLENE	<0.660	0.660
BENZO(G,H,I)PERYLENE	<0.051	0.051
PHENANTHRENE	<0.660	0.660
TOTAL	<1.371	

CARCINOGENIC PNAs

BENZO(A)ANTHRACENE	0.036	0.0087
BENZO(A)PYRENE	0.042	0.015
BENZO(B)FLUORANTHENE	0.028	0.012
BENZO(K)FLUORANTHENE	0.013	0.011
CHRYSENE	<0.100	0.100
DIBENZO(A,H)ANTHRACENE	<0.020	0.020
INDENO(1,2,3-C,D)PYRENE	<0.029	0.029

Arminita P. Pineda
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AIHA Accredited #337 NIST/NVLAP Accredited #1202

EPA SW846 8240 (MODIFIED)

CLIENT: LIU P.C.
PROJECT: GSWH4
SAMPLE ID: COC#504600 95092203
DATE ANALYZED: 09/27/95 DATA FILE: 3201020.D
OPERATOR: KK DATAFILE PATH: C:\HPCHEM\1\DATA\27SEP95\
LAB INFO: 5.22 METHOD FILE: VOC8240

COMPOUND	CONC. (mg/Kg)	PQL (mg/Kg)
Chloromethane	<0.010	0.010
Vinyl Chloride	<0.010	0.010
Chloroethane	<0.005	0.005
Acetone	0.082	0.005
1,1-Dichloroethene	<0.005	0.005
Bromomethane	<0.010	0.010
Carbon Disulfide	<0.010	0.010
Methylene Chloride	<0.005	0.005
1,2-Dichloroethene (total)	<0.010	0.010
1,1-Dichloroethane	<0.005	0.005
Chloroform	<0.010	0.010
1,2-Dichloroethane	<0.005	0.005
m & p Xyrene	<0.010	0.010
Vinyl Acetate	<0.005	0.005
2-Butanone	<0.005	0.005
1,1,1-Trichloroethane	<0.005	0.005
Carbon Tetrachloride	<0.005	0.005
Benzene	<0.005	0.005
Trichloroethene	<0.005	0.005
1,2-Dichloropropane	<0.005	0.005
Bromodichloromethane	<0.005	0.005
cis-1,3-Dichloropropene	<0.010	0.010
trans-1,3-Dichloropropene	<0.010	0.010
1,1,2-Trichloroethane	<0.005	0.005
Dibromochloromethane	<0.005	0.005
Chlorobenzene	<0.005	0.005
Styrene	<0.010	0.010

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AIHA Accredited #337, NIST, NVLAP Accredited #1202

CLIENT: LIU P.C.
PROJECT: GSWH4
SAMPLE ID: COC#504600 95092203
DATE ANALYZED: 09/27/95 **DATA FILE:** 3201020.D
OPERATOR: KK **DATAFILE PATH:** C:\HPCHEM\1\DATA\27SEP95\
LAB INFO: 5.22 **METHOD FILE:** VOC8240

COMPOUND	CONC. (mg/kg)	PQL (mg/kg)
4-Methyl-2-Pentanone	<0.005	0.005
Toluene	<0.005	0.005
2-Hexanone	<0.005	0.005
Tetrachloroethene	<0.005	0.005
Ethylbenzene	<0.005	0.005
o-Xylene	<0.005	0.005
Bromoform	<0.005	0.005
1,1,2,2-Tetrachloroethane	<0.005	0.005

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AIHA Accredited #337 NIST/NELAP Accredited #1202

ANALYTICAL REPORT

CLIENT: LIU P.C.
PROJECT ADDRESS: KEDZIE & 76TH
PROJECT #: GSWH4
DATA FILE: 5-03710.D
DATA FILE PATH: C:\HPCHEM12\DATA\26SEP95\
OPERATOR: AP/FR
METHOD FILE: 91095
SAMPLE ID: COC#504600 950922-04
DATE ANALYZED: 09/26/95
LAB INFO: 30.07
MATRIX: SOIL

TYPE OF ANALYSES

SEMI-VOLATILES by 8270	RESULTS MG/KG	IEPA SOIL SDL MG/KG
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BASE/NEUTRAL COMPOUNDS:

Hexachloroethane	<0.330	0.330
bis(2-Chloroethyl)ether	<0.330	0.330
Benzyl alcohol	<0.330	0.330
bis(2-chloroisopropyl)ether	<0.330	0.330
N-Nitroso-di-n-propylamine	<0.330	0.330
Nitrobenzene	<0.330	0.330
Hexachlorobutadiene	<0.330	0.330
2-Methylnaphthalene	<0.330	0.330
1,2,4-Trichlorobenzene	<0.330	0.330
Isophorone	<0.330	0.330
Naphthalene	0.450	0.330
4-Chloroaniline	<0.330	0.330
bis(2-Chloroethoxy)methane	<0.330	0.330
Hexachlorocyclopentadiene	<0.330	0.330
2-Chloronaphthalene	<0.330	0.330
2-Nitroaniline	<1.600	1.600
Acenaphthylene	<0.330	0.330
3-Nitroaniline	<1.600	1.600
Acenaphthene	0.432	0.330
Dibenzofuran	<0.330	0.330
Dimethylphthalate	<0.330	0.330
2,6-Dinitrotoluene	<0.330	0.330
Fluorene	0.549	0.330
4-Nitroaniline	<1.600	1.600
4-Chlorophenyl-phenylether	<0.330	0.330

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ANALYTICAL REPORT

CLIENT: LIU P.C.
PROJECT ADDRESS: KEDZIE & 76TH
PROJECT #: GSWH4
DATA FILE: 5-03710.D
DATA FILE PATH: C:\HPCHEM\2\DATA\26SEP95\
OPERATOR: AP/FR
METHOD FILE: 91095
SAMPLE ID: COC#504600 950922-04
DATE ANALYZED: 09/26/95
LAB INFO: 30.07
MATRIX: SOIL

TYPE OF ANALYSES

SEMI-VOLATILES by 8270	RESULTS MG/KG	IEPA SOIL SDL MG/KG
2,4-Dinitrotoluene	<0.330	0.330
Diethylphthalate	<0.330	0.330
n-Nitrosodiphenylamine	<0.330	0.330
Hexachlorobenzene	<0.330	0.330
Phenanthrene	2.234	0.330
4-Bromophenyl-phenylether	<0.330	0.330
Anthracene	0.826	0.330
Di-n-butylphthalate	<0.330	0.330
Fluoranthene	2.684	0.330
Pyrene	2.715	0.330
Butylbenzylphthalate	<0.330	0.330
bis(2-Ethylhexyl)phthalate	<0.180	0.180
Chrysene	1.395	0.330
Benzo[a]anthracene	1.393	0.330
3,3'-Dichlorobenzidine	<0.660	0.660
Di-n-octylphthalate	<0.330	0.330
Benzo[b]fluoranthene	1.599	0.330
Benzo[k]fluoranthene	1.031	0.330
Benzo[a]pyrene	1.149	0.330
Indeno[1,2,3-cd]pyrene	<0.330	0.330
Dibenz[a,h]anthracene	<0.330	0.330
1,2-Dichlorobenzene	<0.330	0.330
1,3-Dichlorobenzene	<0.330	0.330
1,4-Dichlorobenzene	<0.330	0.330
Benzo[g,h,i]perylene	0.342	0.330

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ANALYTICAL REPORT

CLIENT: LIU P.C.
PROJECT ADDRESS: KEDZIE & 76TH
PROJECT #: GSWH4
DATA FILE: 5-03710.D
DATA FILE PATH: C:\HPCHEM\2\DATA\26SEP95\
OPERATOR: AP/FR
METHOD FILE: 91095
SAMPLE ID: COC#504600 950922-04
DATE ANALYZED: 09/26/95
LAB INFO: 30.07
MATRIX: SOIL

TYPE OF ANALYSES

SEMI-VOLATILES by 8270	RESULTS MG/KG	IEPA SOIL SDL MG/KG
ACID COMPOUNDS:		
Benzoic Acid	<1.600	1.600
Phenol	<0.330	0.330
2-Chlorophenol	<0.330	0.330
2-Nitrophenol	<1.600	1.600
2-Methylphenol & 3-Methylphenol	<0.330	0.330
2,4-Dimethylphenol	<0.330	0.330
4-Methylphenol	<0.330	0.330
2,4-Dichlorophenol	<0.330	0.330
2,4,6-Trichlorophenol	<0.330	0.330
2,4,5-Trichlorophenol	<1.600	1.600
4-Chloro-3-methylphenol	<0.330	0.330
2,4-Dinitrophenol	<1.600	1.600
4,6-Dinitro-2-methylphenol	<1.600	1.600
Pentachlorophenol	<1.600	1.600
4-Nitrophenol	<1.600	1.600

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EPA SW846 8240 (MODIFIED)

CLIENT:	LIU P.C.		
PROJECT:	GSHW4		
SAMPLE ID:	COC#504600 95092204		
DATE ANALYZED:	09/27/95	DATA FILE:	3301021.D
OPERATOR:	KK	DATAFILE PATH:	C:\HPCHEM\1\DATA\27SEP95\
LAB INFO:	4.84	METHOD FILE:	VOC8240

COMPOUND	CONC. (mg/Kg)	PQL (mg/Kg)
Chloromethane	<0.010	0.010
Vinyl Chloride	<0.010	0.010
Chloroethane	<0.005	0.005
Acetone	0.074	0.005
1,1-Dichloroethene	<0.005	0.005
Bromomethane	<0.010	0.010
Carbon Disulfide	<0.010	0.010
Methylene Chloride	<0.005	0.005
1,2-Dichloroethene (total)	<0.010	0.010
1,1-Dichloroethane	<0.005	0.005
Chloroform	<0.010	0.010
1,2-Dichloroethane	<0.005	0.005
m & p Xylene	<0.010	0.010
Vinyl Acetate	<0.005	0.005
2-Butanone	<0.005	0.005
1,1,1-Trichloroethane	<0.005	0.005
Carbon Tetrachloride	<0.005	0.005
Benzene	<0.005	0.005
Trichloroethene	0.051	0.005
1,2-Dichloropropane	<0.005	0.005
Bromodichloromethane	<0.005	0.005
cis-1,3-Dichloropropene	<0.010	0.010
trans-1,3-Dichloropropene	<0.010	0.010
1,1,2-Trichloroethane	<0.005	0.005
Dibromochloromethane	<0.005	0.005
Chlorobenzene	<0.005	0.005
Styrene	<0.010	0.010

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AIHA Accredited #337, NIST/NVLAP Accredited #1202

CLIENT: LIU P.C.
PROJECT: GSWH4
SAMPLE ID: COC#504600 95092204
DATE ANALYZED: 09/27/95 DATA FILE: 3301021.D
OPERATOR: KK DATAFILE PATH: C:\HPCHEM\1\DATA\27SEP95\
LAB INFO: 4.84 METHOD FILE: VOC8240

COMPOUND	CONC. (mg/kg)	PQL (mg/kg)
4-Methyl-2-Fantanone	<0.005	0.005
Toluene	<0.005	0.005
2-Hexanone	<0.005	0.005
Tetrachloroethene	<0.005	0.005
Ethybenzene	<0.005	0.005
o-Xylene	<0.005	0.005
Bromoform	<0.005	0.005
1,1,2,2-Tetrachloroethane	<0.005	0.005

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AHHA Accredited #337, NIST/NVLAP Accredited #1202

ANALYTICAL REPORT

CLIENT: LIU P.C.
PROJECT ADDRESS: KEDZIE & 76TH
PROJECT #: GSWH4
DATA FILE: 4600MET3
DATA FILE PATH: SEMI\EXCEL\REPORTS\
OPERATOR: GAB/BR
SAMPLE ID: COC# 504600 950922 04
DATE ANALYZED: 9/27/95

TYPE OF ANALYSES	RESULTS MG/L	CORRECTED RESULTS MG/L	REGULATORY LEVEL MG/L
ARSENIC (AS)	0.008	0.008	0.05
BARIUM (BA)	0.47	0.34	2.0
CADMIUM (CD)	0.107	0.120	0.005
CHROMIUM, TOTAL (CR)	<0.06	<0.07	0.1
LEAD (PB)	0.017	0.020	0.0075
MERCURY (HG)	<0.0005	<0.0005	0.002
SELENIUM (SE)	<0.007	<0.009	0.05

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AIHA Accredited #337, NIST/NVLAP Accredited #1202

BTEX REPORT

CLIENT: LIU P. C.
PROJECT #: GSWH4
PROJECT NAME: KEDZIE + 76th
DATA FILE: 3401022.D
DATA FILE PATH: C:\HPCHEM\1\DATA\27SEP95\
OPERATOR: KK
METHOD FILE: BTEX8240.M
SAMPLE ID: COC#504600 95092205
DATE ANALYZED: 09/27/95
LABORATORY INFO: 4.95
MATRIX: SOIL

TARGET COMPOUNDS	RESULTS	MDL*
	MG/KG	MG/KG
Benzene	< 0.005	0.005
Toluene	< 0.005	0.005
Ethylbenzene	< 0.005	0.005
m & p Xylene	< 0.005	0.005
o-Xylene	< 0.005	0.005
BTEX TOTAL	< 0.025	

* currently no ADLs are given for soil
mg/kg is equivalent to Parts Per Million (PPM)

B ENZENE
T OLUENE
E THYLBENZENE
X YLENES

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AIHA Accredited #337, NIST/NILAP Accredited #1202

PNA REPORT

CLIENT:	LIU P.C.
PROJECT #:	GSHW4
PROJECT ADDRESS:	KEDZIE & 76TH CHICAGO, IL
DATA FILE:	SUPERCO 0143.RPT
OPERATOR:	EP
METHOD FILE:	PAH8310
SAMPLE ID:	COC# 504600 BORING #4, 22'
DATE ANALYZED:	9/28/95
LABORATORY INFO:	8
SAMPLE MATRIX:	SOIL

ANALYTES:	RESULTS mg/kg (PPM)	PQL'S mg/kg
NON-CARCINOGENIC PNAs		
NAPHTHALENE	<0.660	0.660
ACENAPHTHENE	<1.200	1.200
ANTHRACENE	<0.660	0.660
FLUORANTHENE	1.110	0.660
FLUORENE	<0.140	0.140
PYRENE	0.609	0.180

OTHER NON-CARCINOGENIC PNAs

ACENAPHTHYLENE	<0.660	0.660
BENZO(G,H,I)PERYLENE	0.698	0.051
PHENANTHRENE	0.882	0.660
TOTAL	<2.240	

CARCINOGENIC PNAs

BENZO(A)ANTHRACENE	0.563	0.0087
BENZO(A)PYRENE	0.733	0.015
BENZO(B)FLUORANTHENE	0.400	0.012
BENZO(K)FLUORANTHENE	0.228	0.011
CHRYSENE	0.390	0.100
DIBENZO(A,H)ANTHRACENE	<0.020	0.020
INDENO(1,2,3-C,D)PYRENE	0.294	0.029

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AIHA Accredited #337 NIST; NVLAP Accredited #1202

EPA SW846 8240 (MODIFIED)

CLIENT: LIU P.C.
PROJECT: GSWH4
SAMPLE ID: COC#504600 95092205
DATE ANALYZED: 09/27/95 DATA FILE: 3401022.D
OPERATOR: KK DATAFILE PATH: C:\HPCHEM\1\DATA\27SEP95\
LAB INFO: 4.95 METHOD FILE: VOC8240

COMPOUND	CONC. (mg/Kg)	PQL (mg/Kg)
Chloromethane	<0.010	0.010
Vinyl Chloride	<0.010	0.010
Chloroethane	<0.005	0.005
Acetone	0.380	0.005
1,1-Dichloroethene	<0.005	0.005
Bromomethane	<0.010	0.010
Carbon Disulfide	<0.010	0.010
Methylene Chloride	<0.005	0.005
1,2-Dichloroethene (total)	<0.010	0.010
1,1-Dichloroethane	<0.005	0.005
Chloroform	<0.010	0.010
1,2-Dichloroethane	<0.005	0.005
m & p Xylene	<0.010	0.010
Vinyl Acetate	<0.005	0.005
2-Butanone	<0.005	0.005
1,1,1-Trichloroethane	<0.005	0.005
Carbon Tetrachloride	<0.005	0.005
Benzene	<0.005	0.005
Trichloroethene	0.014	0.005
1,2-Dichloropropane	<0.005	0.005
Bromodichloromethane	<0.005	0.005
cis-1,3-Dichloropropene	<0.010	0.010
trans-1,3-Dichloropropene	<0.010	0.010
1,1,2-Trichloroethane	<0.005	0.005
Dibromo-chloromethane	<0.005	0.005
Chlorobenzene	<0.005	0.005
Styrene	<0.010	0.010

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AIIA Accredited #337, NIST/NVLAP Accredited #1202

CLIENT: LIU P.C.
PROJECT: GSWH4
SAMPLE ID: COC#504600 95092205
DATE ANALYZED: 09/27/95 DATA FILE: 3401022.D
OPERATOR: KK DATAFILE PATH: C:\HPCHEM\1\DATA\27SEP95\
LAB INFO: 4.95 METHOD FILE: VOC8240

COMPOUND	CONC (mg/kg)	PQL (mg/kg)
4-Methyl-2-Pentanone	<0.005	0.005
Toluene	<0.005	0.005
2-Hexanone	<0.005	0.005
Tetrachloroethene	<0.005	0.005
Ethylbenzene	<0.005	0.005
o-Xylene	<0.005	0.005
Bromoform	<0.005	0.005
1,1,2,2-Tetrachloroethane	<0.005	0.005

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BTEX REPORT

CLIENT: LIU P. C.
PROJECT #: GSWH4
PROJECT NAME: KEDZIE + 76th
DATA FILE: 3501023.D
DATA FILE PATH: C:\HPCHEM\1\DATA\27SEP95\
OPERATOR: KK
METHOD FILE: BTEX8240.M
SAMPLE ID: COC#504600 95092206
DATE ANALYZED: 09/27/95
LABORATORY INFO: 5.31
MATRIX: SOIL

TARGET COMPOUNDS	RESULTS	MDL*
	MG/KG	MG/KG
Benzene	< 0.005	0.005
Toluene	< 0.005	0.005
Ethylbenzene	< 0.005	0.005
m & p Xylene	< 0.005	0.005
o-Xylene	< 0.005	0.005
BTEX TOTAL	< 0.025	

* currently no ADLs are given for soil
mg/kg is equivalent to Parts Per Million (PPM)

B ENZENE
T OLUENE
E THYLBENZENE
X YLENES

Arminita P. Pinsky
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PNA REPORT

CLIENT: LIU P.C.
PROJECT #: GSWH4
PROJECT ADDRESS: KEDZIE & 76TH CHICAGO, IL
DATA FILE: SUPELCO 0143.RPT
OPERATOR: EP
METHOD FILE: PAH8310
SAMPLE ID: COC# 504600 BORING #5, 8-10'
DATE ANALYZED: 9/28/95
LABORATORY INFO: 9
SAMPLE MATRIX: SOIL

ANALYTES:	RESULTS	PQL'S
	mg/kg	mg/kg
	(PPM)	
NON-CARCINOGENIC PNAs		
NAPHTHALENE	<0.660	0.660
ACENAPHTHENE	<1.200	1.200
ANTHRACENE	<0.660	0.660
FLUORANTHENE	2.540	0.660
FLUORENE	<0.140	0.140
PYRENE	1.270	0.180

OTHER NON-CARCINOGENIC PNAs

ACENAPHTHYLENE	<0.660	0.660
BENZO(G,H,I)PERYLENE	0.269	0.051
PHENANTHRENE	2.230	0.660
TOTAL	<3.159	

CARCINOGENIC PNAs

BENZO(A)ANTHRACENE	0.938	0.0087
BENZO(A)PYRENE	1.030	0.015
BENZO(B)FLUORANTHENE	0.729	0.012
BENZO(K)FLUORANTHENE	0.368	0.011
CHRYSENE	0.693	0.100
DIBENZO(A,H)ANTHRACENE	<0.020	0.020
INDENO(1,2,3-C,D)PYRENE	0.470	0.029

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AIHA Accredited #337, NIST/NVLAP Accredited #1202

EPA SW846 8240 (MODIFIED)

CLIENT: LIU P.C.
PROJECT: GSWH4
SAMPLE ID: COC#504600 95092206
DATE ANALYZED: 09/27/95 DATA FILE: 3501023.D
OPERATOR: KK DATAFILE PATH: C:\HPCHEM\1\DATA\27SEP95\
LAB INFO: 5.31 METHOD FILE: VOC8240

COMPOUND	CONC. (mg/Kg)	PQL (mg/Kg)
Chloromethane	<0.010	0.010
Vinyl Chloride	<0.010	0.010
Chloroethane	<0.005	0.005
Acetone	<0.005	0.005
1,1-Dichloroethene	<0.005	0.005
Bromomethane	<0.010	0.010
Carbon Disulfide	<0.010	0.010
Methylene Chloride	<0.005	0.005
1,2-Dichloroethene (total)	<0.010	0.010
1,1-Dichloroethane	<0.005	0.005
Chloroform	<0.010	0.010
1,2-Dichloroethane	<0.005	0.005
m & p Xylene	<0.010	0.010
Vinyl Acetate	<0.005	0.005
2-Butanone	<0.005	0.005
1,1,1-Trichloroethane	<0.005	0.005
Carbon Tetrachloride	<0.005	0.005
Benzene	<0.005	0.005
Trichloroethene	<0.005	0.005
1,2-Dichloropropane	<0.005	0.005
Bromodichloromethane	<0.005	0.005
cis-1,3-Dichloropropene	<0.010	0.010
trans-1,3-Dichloropropene	<0.010	0.010
1,1,2-Trichloroethane	<0.005	0.005
Dibromochloromethane	<0.005	0.005
Chlorobenzene	<0.005	0.005
Styrene	<0.010	0.010

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CLIENT: LIU P.C.
PROJECT: GSWH4
SAMPLE ID: COC#504600 95092206
DATE ANALYZED: 09/27/95 DATA FILE: 3501023.D
OPERATOR: KK DATAFILE PATH: C:\HPCHEM\1\DATA\27SEP95\
LAB INFO: 5.31 METHOD FILE: VOC8240

COMPOUND		CCNC. (mg/kg)		FQL (mg/kg)
4-Methyl-2-Pentanone		< 0.005		0.005
Toluene		< 0.005		0.005
2-Hexanone		< 0.005		0.005
Tetrachloroethene		< 0.005		0.005
Ethylbenzene		< 0.005		0.005
o-Xylene		< 0.005		0.005
Bromoform		< 0.005		0.005
1,1,2,2-Tetrachloroethane		< 0.005		0.005

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AIHA Accredited #337, NIST, NVLAP Accredited #1202

BTEX REPORT

CLIENT: LIU P. C.
PROJECT #: GSWH4
PROJECT NAME: KEDZIE + 76th
DATA FILE: 3601024.D
DATA FILE PATH: C:\HPCHEM\1\DATA\27SEP95\
OPERATOR: KK
METHOD FILE: BTEX8240.M
SAMPLE ID: COC#504600 95092207
DATE ANALYZED: 09/27/95
LABORATORY INFO: 4.80
MATRIX: SOIL

TARGET COMPOUNDS	RESULTS	MDL*
	MG/KG	MG/KG
Benzene	<0.005	0.005
Toluene	<0.005	0.005
Ethylbenzene	<0.005	0.005
m & p Xylene	<0.005	0.005
o-Xylene	<0.005	0.005
BTEX TOTAL	<0.025	

* currently no ADLs are given for soil
mg/kg is equivalent to Parts Per Million (PPM)

Armenta P. Pineda
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B ENZENE
T OLUENE
E THYLBENZENE
X YLENES

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A2LA Accredited #337, NIST: NVLAP Accredited #1202

PNA REPORT

CLIENT: LIU P.C.
PROJECT #: GSWH4
PROJECT ADDRESS: KEDZIE & 76TH CHICAGO, IL
DATA FILE: SUPELCO 0143.RPT
OPERATOR: EP
METHOD FILE: PAH8310
SAMPLE ID: COC# 504600 BORING #6,2-3'
DATE ANALYZED: 9/28/95
LABORATORY INFO: 10
SAMPLE MATRIX: SOIL

ANALYTES:	RESULTS	PQL'S
	mg/kg	mg/kg
	(PPM)	
NAPHTHALENE	<0.660	0.660
ACENAPHTHENE	12.400	1.200
ANTHRACENE	11.210	0.660
FLUORANTHENE	62.300	0.660
FLUORENE	2.590	0.140
PYRENE	41.500	0.180

OTHER NON-CARCINOGENIC PNAs

ACENAPHTHYLENE	<0.660	0.660
BENZO(G,H,I)PERYLENE	5.050	0.051
PHENANTHRENE	43.600	0.660
TOTAL	48.650	

CARCINOGENIC PNAs

BENZO(A)ANTHRACENE	21.100	0.0087
BENZO(A)PYRENE	34.100	0.015
BENZO(B)FLUORANTHENE	27.300	0.012
BENZO(K)FLUORANTHENE	12.600	0.011
CHRYSENE	27.800	0.100
DIBENZO(A,H)ANTHRACENE	21.300	0.020
INDENO(1,2,3-C,D)PYRENE	15.300	0.029

Arminita P. Rindfuss
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AIHA Accredited #337 NIST/NVLAP Accredited #1202

EPA SW846 8240 (MODIFIED)

CLIENT: LIU P.C.
PROJECT: GSWH4
SAMPLE ID: COC#504600 95092207
DATE ANALYZED: 09/27/95 DATA FILE: 3601024.D
OPERATOR: KK DATAFILE PATH: C:\HPCHEM\1\DATA\27SEP95\
LAB INFO: 4.80 METHOD FILE: VOC8240

COMPOUND	CONC. (mg/Kg)	POL (mg/Kg)
Chloromethane	<0.010	0.010
Vinyl Chloride	<0.010	0.010
Chloroethane	<0.005	0.005
Acetone	0.148	0.005
1,1-Dichloroethene	<0.005	0.005
Bromomethane	<0.010	0.010
Carbon Disulfide	<0.010	0.010
Methylene Chloride	<0.005	0.005
1,2-Dichloroethene (total)	<0.010	0.010
1,1-Dichloroethane	<0.005	0.005
Chloroform	<0.010	0.010
1,2-Dichloroethane	<0.005	0.005
m & p Xylene	<0.010	0.010
Vinyl Acetate	<0.005	0.005
2-Butanone	<0.005	0.005
1,1,1-Trichloroethane	<0.005	0.005
Carbon Tetrachloride	<0.005	0.005
Benzene	<0.005	0.005
Trichloroethene	<0.005	0.005
1,2-Dichloropropane	<0.005	0.005
Bromodichloromethane	<0.005	0.005
cis-1,3-Dichloropropene	<0.010	0.010
trans-1,3-Dichloropropene	<0.010	0.010
1,1,2-Trichloroethane	<0.005	0.005
Dibromochloromethane	<0.005	0.005
Chlorobenzene	<0.005	0.005
Styrene	<0.010	0.010

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AIHA Accredited #337, NIST, NELAP Accredited #1202

CLIENT: LIU P.C.
PROJECT: GSWH4
SAMPLE ID: COC#504600 95092207
DATE ANALYZED: 09/27/95 DATA FILE: 3601024.D
OPERATOR: KK DATAFILE PATH: C:\HPCHEM\1\DATA\27SEP95\
LAB INFO: 4.80 METHOD FILE: VOC8240

COMPOUND	CGNC (mg/kg)	PQL (mg/kg)
4-Methyl-2-Pentanone	<0.005	0.005
Toluene	<0.005	0.005
2-Hexanone	<0.005	0.005
Tetrachloroethene	<0.005	0.005
Ethylbenzene	<0.005	0.005
o-Xylene	<0.005	0.005
Bromoform	<0.005	0.005
1,1,2,2-Tetrachloroethane	<0.005	0.005

Anurita P. Pandey
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ANALYTICAL REPORT

CLIENT: LIU P.C.
PROJECT ADDRESS: KEDZIE & 76TH
PROJECT #: GSWH4
DATA FILE: 5-03714.D
DATA FILE PATH: C:\HPCHEM\2\DATA\26SEP95\
OPERATOR: AP/FR
METHOD FILE: 91095
SAMPLE ID: COC#504600 950922-08
DATE ANALYZED: 09/27/95
LAB INFO: 30.00
MATRIX: SOIL

TYPE OF ANALYSES

SEMI-VOLATILES by 8270	RESULTS	IEPA SOIL SDL
	MG/KG	MG/KG

BASE/NEUTRAL COMPOUNDS:

Hexachloroethane	<0.330	0.330
bis(2-Chloroethyl)ether	<0.330	0.330
Benzyl alcohol	<0.330	0.330
bis(2-chloroisopropyl)ether	<0.330	0.330
N-Nitroso-di-n-propylamine	<0.330	0.330
Nitrobenzene	<0.330	0.330
Hexachlorobutadiene	<0.330	0.330
2-Methylnaphthalene	0.788	0.330
1,2,4-Trichlorobenzene	<0.330	0.330
Isophorone	<0.330	0.330
Naphthalene	0.660	0.330
4-Chloroaniline	<0.330	0.330
bis(2-Chloroethoxy)methane	<0.330	0.330
Hexachlorocyclopentadiene	<0.330	0.330
2-Chloronaphthalene	<0.330	0.330
2-Nitroaniline	<1.600	1.600
Acenaphthylene	<0.330	0.330
3-Nitroaniline	<1.600	1.600
Acenaphthene	0.338	0.330
Dibenzofuran	<0.330	0.330
Dimethylphthalate	<0.330	0.330
2,6-Dinitrotoluene	<0.330	0.330
Fluorene	0.451	0.330
4-Nitroaniline	<1.600	1.600
4-Chlorophenyl-phenylether	<0.330	0.330

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ANALYTICAL REPORT

CLIENT: LIU P.C.
PROJECT ADDRESS: KEDZIE & 76TH
PROJECT #: GSWH4
DATA FILE: 5-03714.D
DATA FILE PATH: C:\HPCHEM\2\DATA\26SEP95\
OPERATOR: AP/FR
METHOD FILE: 91095
SAMPLE ID: COC#504600 950922-08
DATE ANALYZED: 09/27/95
LAB INFO: 30.00
MATRIX: SOIL

TYPE OF ANALYSES

SEMI-VOLATILES by 8270	RESULTS	IEPA SOIL SDL
	MG/KG	MG/KG
2,4-Dinitrotoluene	<0.330	0.330
Diethylphthalate	<0.330	0.330
n-Nitrosodiphenylamine	<0.330	0.330
Hexachlorobenzene	<0.330	0.330
Phenanthrene	1.449	0.330
4-Bromophenyl-phenylether	<0.330	0.330
Anthracene	0.607	0.330
Di-n-butylphthalate	0.424	0.330
Fluoranthene	1.048	0.330
Pyrene	3.022	0.330
Butylbenzylphthalate	2.615	0.330
bis(2-Ethylhexyl)phthalate	44.157	0.180
Chrysene	1.190	0.330
Benzo[a]anthracene	0.965	0.330
3,3'-Dichlorobenzidine	<0.660	0.660
Di-n-octylphthalate	17.024	0.330
Benzo[b]fluoranthene	0.833	0.330
Benzo[k]fluoranthene	0.953	0.330
Benzo[a]pyrene	0.607	0.330
Indeno[1,2,3-cd]pyrene	<0.330	0.330
Dibenz[a,h]anthracene	<0.330	0.330
1,2-Dichlorobenzene	<0.330	0.330
1,3-Dichlorobenzene	<0.330	0.330
1,4-Dichlorobenzene	<0.330	0.330
Benzo[g,h,i]perylene	<0.330	0.330

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ANALYTICAL REPORT

CLIENT: LIU P.C.
PROJECT ADDRESS: KEDZIE & 76TH
PROJECT #: GSWH4
DATA FILE: 5-03714.D
DATA FILE PATH: C:\HPCHEM\2\DATA\26SEP95\
OPERATOR: AP/FR
METHOD FILE: 91095
SAMPLE ID: COC#504600 950922-08
DATE ANALYZED: 09/27/95
LAB INFO: 30.00
MATRIX: SOIL

TYPE OF ANALYSES

SEMI-VOLATILES by 8270	RESULTS MG/KG	IEPA SOIL SDL MG/KG
ACID COMPOUNDS:		
Benzoic Acid	<1.600	1.600
Phenol	<0.330	0.330
2-Chlorophenol	<0.330	0.330
2-Nitrophenol	<1.600	1.600
2-Methylphenol & 3-Methylphenol	<0.330	0.330
2,4-Dimethylphenol	<0.330	0.330
4-Methylphenol	<0.330	0.330
2,4-Dichlorophenol	<0.330	0.330
2,4,6-Trichlorophenol	<0.330	0.330
2,4,5-Trichlorophenol	<1.600	1.600
4-Chloro-3-methylphenol	<0.330	0.330
2,4-Dinitrophenol	<1.600	1.600
4,6-Dinitro-2-methylphenol	<1.600	1.600
Pentachlorophenol	<1.600	1.600
4-Nitrophenol	<1.600	1.600

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CLIENT: LIU P.C.
PROJECT: GSWH4
SAMPLE ID: COC#504600 95092208
DATE ANALYZED: 09/28/95 DATA FILE: 3701025.D
OPERATOR: KK DATAFILE PATH: C:\HPCHEM\1\DATA\27SEP95\
LAB INFO: 4.90 METHOD FILE: VOC8240

COMPOUND	CCNC. (mg/kg)	POL (mg/kg)
4-Methyl-2-Pentanone	0.060	0.005
Toluene	0.150	0.005
2-Hexanone	<0.005	0.005
Tetrachloroethene	<0.005	0.005
Ethylbenzene	0.147	0.005
o-Xylene	0.215	0.005
Bromoform	<0.005	0.005
1,1,2,2-Tetrachloroethane	<0.005	0.005

Quintina P. Riddy
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AIHA Accredited #335 NIST/NTLAP Accredited #1202

ANALYTICAL REPORT

CLIENT: LIU P.C.
PROJECT ADDRESS: KEDZIE & 76TH
PROJECT #: GSWH4
DATA FILE: 4600MET4
DATA FILE PATH: SEM\EXCEL\REPORTS\
OPERATOR: GAB/BR
SAMPLE ID: COC# 504600 950922 08
DATE ANALYZED: 9/27/95

TYPE OF ANALYSES	RESULTS MG/L	CORRECTED RESULTS	REGULATORY LEVEL MG/L		
		MG/L			
TCLP METALS:					
PRIORITY POLLUTANTS					
ARSENIC (AS)	0.005	0.005	0.05		
BARIUM (BA)	2.36	1.69	2.0		
CADMIUM (CD)	0.084	0.094	0.005		
CHROMIUM, TOTAL (CR)	<0.06	<0.07	0.1		
LEAD (PB)	<0.001	<0.001	0.0075		
MERCURY (HG)	<0.0005	<0.0005	0.002		
SELENIUM (SE)	<0.007	<0.009	0.05		

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BTEX REPORT

CLIENT: LIU P.C.
PROJECT #: GSWH4
PROJECT NAME: KEDZIE + 76th
DATA FILE: 2901009.D
DATA FILE PATH: C:\HPCHEM\1\DATA\26SEP95A\
OPERATOR: AP/FR
METHOD FILE: QTBTEx
SAMPLE ID: COC#504600 95092209
DATE ANALYZED: 09/26/95
LABORATORY INFO: 4.76
MATRIX: SOIL

TARGET COMPOUNDS	RESULTS	MDL*
	MG/KG	MG/KG
BENZENE	<0.005	0.005
TOLUENE	<0.005	0.005
ETHYLBENZENE	<0.005	0.005
M & P-XYLENE	<0.005	0.005
O-XYLENE	<0.005	0.005
BTEX TOTAL	<0.025	

* currently no ADLs are given for soil
mg/kg is equivalent to Parts Per Million (PPM)

Armenta P. Riddle
STAT ANALYSIS CORPORATION

B ENZENE
T OLUENE
E THYLBENZENE
X YLENES

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PNA REPORT

CLIENT: LIU P.C.
PROJECT #: GSWH4
PROJECT ADDRESS: KEDZIE & 76TH CHICAGO, IL
DATA FILE: SUPELCO 0143.RPT
OPERATOR: EP
METHOD FILE: PAH8310
SAMPLE ID: COC# 504600 BORING #8, 14'
DATE ANALYZED: 9/28/95
LABORATORY INFO: 11
SAMPLE MATRIX: SOIL

ANALYTES:	RESULTS	PQL'S
	mg/kg	mg/kg

NON-CARCINOGENIC PNAs

NAPHTHALENE	<0.660	0.660
ACENAPHTHENE	<1.200	1.200
ANTHRACENE	<0.660	0.660
FLUORANTHENE	<0.660	0.660
FLUORENE	<0.140	0.140
PYRENE	0.532	0.180

OTHER NON-CARCINOGENIC PNAs

ACENAPHTHYLENE	<0.660	0.660
BENZO(G,H,I)PERYLENE	<0.051	0.051
PHENANTHRENE	0.953	0.660
TOTAL	<1.664	

CARCINOGENIC PNAs

BENZO(A)ANTHRACENE	0.645	0.0087
BENZO(A)PYRENE	0.832	0.015
BENZO(B)FLUORANTHENE	0.522	0.012
BENZO(K)FLUORANTHENE	0.292	0.011
CHRYSENE	0.498	0.100
DIBENZO(A,H)ANTHRACENE	0.586	0.020
INDENO(1,2,3-C,D)PYRENE	0.377	0.029

Arminita F. Riddell
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BTEX REPORT

CLIENT: LIU P.C.
PROJECT #: GSWH4
PROJECT NAME: KEDZIE + 76th
DATA FILE: 3001010.D
DATA FILE PATH: C:\HPCHEM\1\DATA\26SEP95A\
OPERATOR: AP/FR
METHOD FILE: QTBTEx
SAMPLE ID: COC#504600 95092210
DATE ANALYZED: 09/26/95
LABORATORY INFO: 4.59
MATRIX: SOIL

TARGET COMPOUNDS	RESULTS	MDL*
	MG/KG	MG/KG
BENZENE	<0.005	0.005
TOLUENE	<0.005	0.005
ETHYLBENZENE	<0.005	0.005
M & P-XYLENE	<0.005	0.005
O-XYLENE	<0.005	0.005
BTEX TOTAL	<0.025	

* currently no ADLs are given for soil
mg/kg is equivalent to Parts Per Million (PPM)

Armenta P. Ridley
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B ENZENE
T OLUENE
E THYLBENZENE
X YLENES

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PNA REPORT

CLIENT: LIU P.C.
PROJECT #: GSWH4
PROJECT ADDRESS: KEDZIE & 76TH CHICAGO, IL
DATA FILE: SUPELCO 0143.RPT
OPERATOR: EP
METHOD FILE: PAH8310
SAMPLE ID: COC# 504600 BORING #8, 28'
DATE ANALYZED: 9/28/95
LABORATORY INFO: 12
SAMPLE MATRIX: SOIL

ANALYTES:	RESULTS	PQL'S
	mg/kg	mg/kg
NON-CARCINOGENIC PNAs	(PPM)	
NAPHTHALENE	<0.660	0.660
ACENAPHTHENE	<1.200	1.200
ANTHRACENE	2.160	0.660
FLUORANTHENE	11.300	0.660
FLUORENE	<0.140	0.140
PYRENE	5.740	0.180

OTHER NON-CARCINOGENIC PNAs

ACENAPHTHYLENE	<0.660	0.660
BENZO(G,H,I)PERYLENE	<0.051	0.051
PHENANTHRENE	12.100	0.660
TOTAL	12.100	

CARCINOGENIC PNAs

BENZO(A)ANTHRACENE	3.830	0.0087
BENZO(A)PYRENE	5.150	0.015
BENZO(B)FLUORANTHENE	3.830	0.012
BENZO(K)FLUORANTHENE	1.560	0.011
CHRYSENE	4.060	0.100
DIBENZO(A,H)ANTHRACENE	<0.020	0.020
INDENO(1,2,3-C,D)PYRENE	<0.029	0.029

Armenita P. Binder
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A2LA Accredited #337, NIST, NVLAP Accredited #1202

PNA REPORT

CLIENT: LIU P.C.
PROJECT #: GSWH4
PROJECT ADDRESS: KEDZIE & 76TH CHICAGO, IL
DATA FILE: SUPELCO 0143.RPT
OPERATOR: EP
METHOD FILE: PAH8310
SAMPLE ID: COC# 504600 BORING #9, 20'
DATE ANALYZED: 9/28/95
LABORATORY INFO: 13
SAMPLE MATRIX: SOIL

ANALYTES:	RESULTS	PQL'S
	mg/kg	mg/kg
	(PPM)	
NAPHTHALENE	<0.660	0.660
ACENAPHTHENE	<1.200	1.200
ANTHRACENE	1.360	0.660
FLUORANTHENE	6.040	0.660
FLUORENE	<0.140	0.140
PYRENE	2.800	0.180

OTHER NON-CARCINOGENIC PNAs

ACENAPHTHYLENE	<0.660	0.660
BENZO(G,H,I)PERYLENE	<0.051	0.051
PHENANTHRENE	4.640	0.660
TOTAL	4.640	

CARCINOGENIC PNAs

BENZO(A)ANTHRACENE	2.390	0.0087
BENZO(A)PYRENE	3.430	0.015
BENZO(B)FLUORANTHENE	2.140	0.012
BENZO(K)FLUORANTHENE	1.100	0.011
CHRYSENE	2.530	0.100
DIBENZO(A,H)ANTHRACENE	<0.020	0.020
INDENO(1,2,3-C,D)PYRENE	1.540	0.029

Arnold Winter P. Binder
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BTEX REPORT

CLIENT: LIU P.C.
PROJECT #: GSWH4
PROJECT NAME: KEDZIE + 76th
DATA FILE: 3201012.D
DATA FILE PATH: C:\HPCHEM\1\DATA\26SEP95A\
OPERATOR: AP/FR
METHOD FILE: QTBTEx
SAMPLE ID: COC#504600 95092212
DATE ANALYZED: 09/26/95
LABORATORY INFO: 4.91
MATRIX: SOIL

TARGET COMPOUNDS	RESULTS	MDL*
	MG/KG	MG/KG
BENZENE	<0.005	0.005
TOLUENE	<0.005	0.005
ETHYLBENZENE	<0.005	0.005
M & P-XYLENE	<0.005	0.005
O-XYLENE	<0.005	0.005
BTEX TOTAL	<0.025	

* currently no ADLs are given for soil
mg/kg is equivalent to Parts Per Million (PPM)

Armita F. Riddle
STAT ANALYSIS CORPORATION

B ENZENE
T OLUENE
E THYLBENZENE
X YLENES

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PNA REPORT

A/114 Accredited #337 NIST NVLAP Accredited #1202

CLIENT: LIU P.C.
PROJECT #: GSWH4
PROJECT ADDRESS: KEDZIE & 76TH CHICAGO, IL
DATA FILE: SUPELCO 0143.RPT
OPERATOR: EP
METHOD FILE: PAH8310
SAMPLE ID: COC# 504600 BORING #11, 10'
DATE ANALYZED: 9/28/95
LABORATORY INFO: 14
SAMPLE MATRIX: SOIL

ANALYTES:	RESULTS	PQL'S
	mg/kg	mg/kg
	(PPM)	
NON-CARCINOGENIC PNAs		
NAPHTHALENE	<0.660	0.660
ACENAPHTHENE	<1.200	1.200
ANTHRACENE	<0.660	0.660
FLUORANTHENE	<0.660	0.660
FLUORENE	<0.140	0.140
PYRENE	<0.180	0.180

OTHER NON-CARCINOGENIC PNAs

ACENAPHTHYLENE	<0.660	0.660
BENZO(G,H,I)PERYLENE	<0.051	0.051
PHENANTHRENE	<0.660	0.660
TOTAL	<1.371	

CARCINOGENIC PNAs

BENZO(A)ANTHRACENE	0.011	0.0087
BENZO(A)PYRENE	0.016	0.015
BENZO(B)FLUORANTHENE	<0.012	0.012
BENZO(K)FLUORANTHENE	<0.011	0.011
CHRYSENE	<0.100	0.100
DIBENZO(A,H)ANTHRACENE	<0.020	0.020
INDENO(1,2,3-C,D)PYRENE	<0.029	0.029

Armita P. Fiddy
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BTEX REPORT

CLIENT: LIU P.C.
PROJECT #: GSWH4
PROJECT NAME: KEDZIE + 76th
DATA FILE: 3401013.D
DATA FILE PATH: C:\HPCHEM\1\DATA\263E\95.A
OPERATOR: AP/FR
METHOD FILE: QTBTEx
SAMPLE ID: COC#504600 95092213
DATE ANALYZED: 09/26/95
LABORATORY INFO: 4.71
MATRIX: SOIL

TARGET COMPOUNDS	RESULTS	MDL*
	MG/KG	MG/KG
BENZENE	<0.005	0.005
TOLUENE	<0.005	0.005
ETHYLBENZENE	<0.005	0.005
M & P-XYLENE	<0.005	0.005
O-XYLENE	<0.005	0.005
BTEX TOTAL	<0.025	

* currently no ADLs are given for soil
mg/kg is equivalent to Parts Per Million (PPM)

Derminta P. Riddle
STAT ANALYSIS CORPORATION

B ENZENE
T OLUENE
E THYLBENZENE
X YLENES

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AHAA Accredited #337, NIST/NELAP Accredited #1202

PNA REPORT

CLIENT: LIU P.C.
PROJECT #: GSWH4
PROJECT ADDRESS: KEDZIE & 76TH CHICAGO, IL
DATA FILE: SUPELCO 0143.RPT
OPERATOR: EP
METHOD FILE: PAH8310
SAMPLE ID: COC# 504600 BORING #12, 10'
DATE ANALYZED: 9/28/95
LABORATORY INFO: 18
SAMPLE MATRIX: SOIL

ANALYTES:	RESULTS	PQL'S
	mg/kg	mg/kg
	(PPM)	
NAPHTHALENE	<0.660	0.660
ACENAPHTHENE	<1.200	1.200
ANTHRACENE	0.774	0.660
FLUORANTHENE	5.460	0.660
FLUORENE	<0.140	0.140
PYRENE	3.020	0.180

OTHER NON-CARCINOGENIC PNAs

ACENAPHTHYLENE	<0.660	0.660
BENZO(G,H,I)PERYLENE	0.512	0.051
PHENANTHRENE	3.450	0.660
TOTAL	3.962	

CARCINOGENIC PNAs

BENZO(A)ANTHRACENE	1.920	0.0087
BENZO(A)PYRENE	3.150	0.015
BENZO(B)FLUORANTHENE	2.510	0.012
BENZO(K)FLUORANTHENE	1.040	0.011
CHRYSENE	2.230	0.100
DIBENZO(A,H)ANTHRACENE	1.990	0.020
INDENO(1,2,3-C,D)PYRENE	1.410	0.029

Arminta P. Ph.D.
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AIHA Accredited #337, NIST/NVLAP Accredited #1202

ANALYTICAL REPORT

CLIENT: LIU P.C.
PROJECT ADDRESS: KEDZIE & 76TH
PROJECT #: GSWH4
DATA FILE: 5-03720.D
DATA FILE PATH: C:\HPCHEM\2\DATA\26SEP95\
OPERATOR: AP/FR
METHOD FILE: 91095
SAMPLE ID: COC#504600 950922-14
DATE ANALYZED: 09/27/95
LAB INFO: 30.02
MATRIX: SOIL

TYPE OF ANALYSES

SEMI-VOLATILES by 8270	RESULTS MG/KG	IEPA SOIL SDL MG/KG
------------------------	------------------	---------------------------

BASE/NEUTRAL COMPOUNDS:

Hexachloroethane	<0.330	0.330
bis(2-Chloroethyl)ether	0.666	0.330
Benzyl alcohol	0.522	0.330
bis(2-chloroisopropyl)ether	0.578	0.330
N-Nitroso-di-n-propylamine	0.718	0.330
Nitrobenzene	0.697	0.330
Hexachlorobutadiene	0.458	0.330
2-Methylnaphthalene	2.021	0.330
1,2,4-Trichlorobenzene	0.391	0.330
Isophorone	0.552	0.330
Naphthalene	1.143	0.330
4-Chloroaniline	<0.330	0.330
bis(2-Chloroethoxy)methane	0.535	0.330
Hexachlorocyclopentadiene	<0.330	0.330
2-Chloronaphthalene	0.525	0.330
2-Nitroaniline	<1.600	1.600
Acenaphthylene	1.003	0.330
3-Nitroaniline	<1.600	1.600
Acenaphthene	0.933	0.330
Dibenzofuran	0.692	0.330
Dimethylphthalate	1.003	0.330
2,6-Dinitrotoluene	<0.330	0.330
Fluorene	1.227	0.330
4-Nitroaniline	1.741	1.600
4-Chlorophenyl-phenylether	1.929	0.330

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ANALYTICAL REPORT

CLIENT: LIU P.C.
PROJECT ADDRESS: KEDZIE & 76TH
PROJECT #: GSWH4
DATA FILE: 5-03720.D
DATA FILE PATH: C:\HPCHEM\2\DATA\26SEP95\
OPERATOR: AP/FR
METHOD FILE: 91095
SAMPLE ID: COC#504600 950922-14
DATE ANALYZED: 09/27/95
LAB INFO: 30.02
MATRIX: SOIL

TYPE OF ANALYSES

SEMI-VOLATILES by 8270	RESULTS MG/KG	IEPA SOIL SDL MG/KG
2,4-Dinitrotoluene	0.489	0.330
Diethylphthalate	1.741	0.330
n-Nitrosodiphenylamine	0.900	0.330
Hexachlorobenzene	0.687	0.330
Phenanthrene	1.221	0.330
4-Bromophenyl-phenylether	0.645	0.330
Anthracene	0.862	0.330
Di-n-butylphthalate	0.909	0.330
Fluoranthene	0.946	0.330
Pyrene	3.091	0.330
Butylbenzylphthalate	3.411	0.330
bis(2-Ethylhexyl)phthalate	91.388	0.180
Chrysene	1.084	0.330
Benzo[a]anthracene	0.845	0.330
3,3'-Dichlorobenzidine	<0.660	0.660
Di-n-octylphthalate	80.003	0.330
Benzo[b]fluoranthene	0.803	0.330
Benzo[k]fluoranthene	1.429	0.330
Benzo[a]pyrene	<0.330	0.330
Indeno[1,2,3-cd]pyrene	<0.330	0.330
Dibenz[a,h]anthracene	<0.330	0.330
1,2-Dichlorobenzene	0.389	0.330
1,3-Dichlorobenzene	<0.330	0.330
1,4-Dichlorobenzene	0.359	0.330
Benzo[g,h,i]perylene	<0.330	0.330

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ANALYTICAL REPORT

CLIENT:	LIU P.C.
PROJECT ADDRESS:	KEDZIE & 76TH
PROJECT #:	GSHW4
DATA FILE:	5-03720.D
DATA FILE PATH:	C:\HPCHEM\2\DATA\26SEP95\
OPERATOR:	AP/FR
METHOD FILE:	91095
SAMPLE ID:	COC#504600 950922-14
DATE ANALYZED:	09/27/95
LAB INFO:	30.02
MATRIX:	SOIL

TYPE OF ANALYSES

SEMI-VOLATILES by 8270	RESULTS MG/KG	IEPA SOIL SDL MG/KG
ACID COMPOUNDS:		
Benzoic Acid	<1.600	1.600
Phenol	<0.330	0.330
2-Chlorophenol	0.452	0.330
2-Nitrophenol	<1.600	1.600
2-Methylphenol & 3-Methylphenol	<0.330	0.330
2,4-Dimethylphenol	0.744	0.330
4-Methylphenol	0.684	0.330
2,4-Dichlorophenol	0.553	0.330
2,4,6-Trichlorophenol	0.428	0.330
2,4,5-Trichlorophenol	<1.600	1.600
4-Chloro-3-methylphenol	1.056	0.330
2,4-Dinitrophenol	<1.600	1.600
4,6-Dinitro-2-methylphenol	<1.600	1.600
Pentachlorophenol	<1.600	1.600
4-Nitrophenol	<1.600	1.600

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AIHA Accredited #337, NIST/NVLAP Accredited #1202

EPA SW846 8240 (MODIFIED)

CLIENT: LIU P.C.
PROJECT: GSWH4
SAMPLE ID: COC#504600 95092214
DATE ANALYZED: 09/29/95 DATA FILE: 0301004.D
OPERATOR: KK DATAFILE PATH: C:\HPCHEM\1\DATA\29SEP95\
LAB INFO: 4.79 METHOD FILE: VOC8240

COMPOUND	CONC. (mg/Kg)	PQL (mg/Kg)
Chloromethane	< 0.010	0.010
Vinyl Chloride	< 0.010	0.010
Chloroethane	< 0.005	0.005
Acetone	0.237	0.005
1,1-Dichloroethene	< 0.005	0.005
Bromomethane	< 0.010	0.010
Carbon Disulfide	< 0.010	0.010
Methylene Chloride	0.007	0.005
1,2-Dichloroethene (total)	< 0.010	0.010
1,1-Dichloroethane	< 0.005	0.005
Chloroform	< 0.010	0.010
1,2-Dichloroethane	< 0.005	0.005
m & p Xylene	0.070	0.010
Vinyl Acetate	< 0.005	0.005
2-Butanone	0.070	0.005
1,1,1-Trichloroethane	< 0.005	0.005
Carbon Tetrachloride	< 0.005	0.005
Benzene	0.015	0.005
Trichloroethene	< 0.005	0.005
1,2-Dichloropropene	< 0.005	0.005
Bromodichloromethane	< 0.005	0.005
cis-1,3-Dichloropropene	< 0.010	0.010
trans-1,3-Dichloropropene	< 0.010	0.010
1,1,2-Trichloroethane	< 0.005	0.005
Dibromochloromethane	< 0.005	0.005
Chlorobenzene	< 0.005	0.005
Styrene	0.031	0.010

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AIHA Accredited #337 NIST/NVLAP Accredited #1202

CLIENT: LIU P.C.
PROJECT: GSWH4
SAMPLE ID: COC#504600 95092214
DATE ANALYZED: 09/28/95 DATA FILE: 3801026.D
OPERATOR: KK DATAFILE PATH: C:\HPCHEM\1\DATA\27SEP95\
LAB INFO: 4.75 METHOD FILE: VOC8240

COMPOUND	CONC. (mg/kg)	PQL (mg/kg)
4-Methyl-2-Pentanone	<0.005	0.005
Toluene	0.422	0.005
2-Hexanone	<0.005	0.005
Tetrachloroethene	<0.005	0.005
Ethylbenzene	0.468	0.005
o-Xylene	0.440	0.005
Bromoform	<0.005	0.005
1,1,2,2-Tetrachloroethane	<0.005	0.005

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ANALYTICAL REPORT

CLIENT: LIU P.C.
PROJECT ADDRESS: KEDZIE & 76TH
PROJECT #: GSWH4
DATA FILE: 4600MET5
DATA FILE PATH: SEMI\EXCEL\REPORTS\
OPERATOR: GAB/BR
SAMPLE ID: COC# 504600 950922 14
DATE ANALYZED: 9/27/95

TYPE OF ANALYSES	RESULTS MG/L	CORRECTED RESULTS MG/L	REGULATORY LEVEL MG/L
ARSENIC (AS)	0.003	0.004	0.05
BARIUM (BA)	5.47	3.91	2.0
CADMIUM (CD)	0.710	0.798	0.005
CHROMIUM, TOTAL (CR)	<0.06	<0.07	0.1
LEAD (PB)	5.17	5.94	0.0075
MERCURY (HG)	<0.0005	<0.0005	0.002
SELENIUM (SE)	<0.007	<0.009	0.05

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AIHA Accredited #337, NIST/NVLAP Accredited #1202

ANALYTICAL REPORT

CLIENT:	L.I.U P.C
PROJECT #:	C95-117
PROJECT ADDRESS:	NA
DATA FILE:	009F01
DATA FILE PATH:	C:\HPCHEM\1\DATA\092795
OPERATOR:	FR/AP
METHOD FILE:	PEST2.MTH
SAMPLE ID:	COC#504600 950922-14
DATE ANALYZED:	9/27/95

TYPE OF ANALYSES	RESULTS	SOIL PQL
PESTICIDE COMPOUNDS 8080:	MG/KG	MG/KG
ALPHA-BHC	<0.008	0.008
BETA-BHC	<0.008	0.008
DELTA-BHC	<0.008	0.008
LINDANE (GAMMA-BHC)	<0.008	0.008
HEPTACHLOR	<0.008	0.008
ALDRIN	<0.008	0.008
HEPTACHLOR EPOXIDE	<0.008	0.008
ENDOSULFAN I	<0.008	0.008
4,4'-DDE	<0.016	0.016
DIELDRIN	<0.016	0.016
ENDRIN	<0.016	0.016
4,4'-DDD	<0.016	0.016
ENDOSULFAN II	<0.016	0.016
4,4'-DDT	0.132	0.016
ENDRIN ALDEHYDE	<0.016	0.016
ENDOSULFAN SULFATE	<0.016	0.016
METHOXYPHENYLCHLOR	<0.080	0.080
ALPHA-CHLORDANE	<0.080	0.080
GAMMA-CHLORDANE	<0.080	0.080
TOXAPHENE	<0.080	0.080
AROCHLOR-1221	<0.160	0.160
AROCHLOR-1016	<0.080	0.080
AROCHLOR-1232	<0.080	0.080
AROCHLOR-1242	0.607	0.080
AROCHLOR-1248	<0.080	0.080
AROCHLOR-1254	<0.160	0.160
AROCHLOR-1260	<0.160	0.160

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AIIA Accredited #33 NIST/NFLAP Accredited #1202

ANALYTICAL REPORT

CLIENT:	LIU P.C.
PROJECT ADDRESS:	KEDZIE & 76TH
PROJECT #:	GSH4
DATA FILE:	4600HER
DATA FILE PATH:	SEMI\EXCEL\REPORTS
OPERATOR:	FEL
SAMPLE ID:	COC# 504600
DATE ANALYZED:	10/2/95

TYPE OF ANALYSES	RESULTS	REGULATORY LEVEL
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HERBICIDES:

950922 14

2,4-D (mg/kg)	< 0.80	10.0
2,4,5-TP (SILVEX) (mg/kg)	< 0.11	1.0

950922 19

2,4-D (mg/L)	< 0.00120	10.0
2,4,5-TP (SILVEX) (mg/L)	< 0.00017	1.0

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A1H.A Accredited #337 NIST/NVLAP Accredited #1202

BTEX REPORT

CLIENT: LIU P. C.
PROJECT #: GSWH4
PROJECT NAME: KEDZIE + 76 th
DATA FILE: 0301004.D
DATA FILE PATH: C:\HPCHEM\1\DATA\28SEP95\
OPERATOR: KK
METHOD FILE: BTEX8240.M
SAMPLE ID: COC#504600 95092215
DATE ANALYZED: 09/28/95
LABORATORY INFO: 5.05
MATRIX: SOIL

TARGET COMPOUNDS	RESULTS	MDL*
	MG/KG	MG/KG
Benzene	<0.005	0.005
Toluene	<0.005	0.005
Ethylbenzene	<0.005	0.005
m & p Xylene	<0.005	0.005
o-Xylene	<0.005	0.005
BTEX TOTAL	<0.025	

* currently no ADLs are given for soil
mg/kg is equivalent to Parts Per Million (PPM)

Arminita P. Parker
STAT ANALYSIS CORPORATION

B ENZENE
T OLUENE
E THYLBENZENE
X YLENES

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A2LA Accredited #337, NIST/NVLAP Accredited #1202

PNA REPORT

CLIENT: LIU P.C.
PROJECT #: GSWH4
PROJECT ADDRESS: KEDZIE & 76TH CHICAGO, IL
DATA FILE: SUPELCO 0143.RPT
OPERATOR: EP
METHOD FILE: PAH8310
SAMPLE ID: COC# 504600 BORING #13, 20'
DATE ANALYZED: 9/28/95
LABORATORY INFO: 15
SAMPLE MATRIX: SOIL

ANALYTES:	RESULTS mg/kg (PPM)	PQL'S mg/kg
NON-CARCINOGENIC PNAs		
NAPHTHALENE	<0.660	0.660
ACENAPHTHENE	<1.200	1.200
ANTHRACENE	<0.660	0.660
FLUORANTHENE	<0.660	0.660
FLUORENE	<0.140	0.140
PYRENE	<0.180	0.180

OTHER NON-CARCINOGENIC PNAs

ACENAPHTHYLENE	<0.660	0.660
BENZO(G,H,I)PERYLENE	0.053	0.051
PHENANTHRENE	<0.660	0.660
TOTAL	<1.373	

CARCINOGENIC PNAs

BENZO(A)ANTHRACENE	0.050	0.0087
BENZO(A)PYRENE	0.079	0.015
BENZO(B)FLUORANTHENE	0.058	0.012
BENZO(K)FLUORANTHENE	0.023	0.011
CHRYSENE	<0.100	0.100
DIBENZO(A,H)ANTHRACENE	<0.020	0.020
INDENO(1,2,3-C,D)PYRENE	0.033	0.029

Armita P. Biddy
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AIHA Accredited #337, NIST/NVLAP Accredited #1202

EPA SW846 8240 (MODIFIED)

CLIENT: LIU P.C.
PROJECT: GSWH4
SAMPLE ID: COC#504600 95092215
DATE ANALYZED: 09/28/95 DATA FILE: 0301004.D
OPERATOR: KK DATAFILE PATH: C:\HPCHEM\1\DATA\28SEP95\
LAB INFO: 5.05 METHOD FILE: VOC8240

COMPOUND	CONC. (mg/Kg)	PQL (mg/Kg)
Chloromethane	<0.010	0.010
Vinyl Chloride	<0.010	0.010
Chloroethane	<0.005	0.005
Acetone	0.039	0.005
1,1-Dichloroethene	<0.005	0.005
Bromomethane	<0.010	0.010
Carbon Disulfide	<0.010	0.010
Methylene Chloride	<0.005	0.005
1,2-Dichloroethene (total)	<0.010	0.010
1,1-Dichloroethane	<0.005	0.005
Chloroform	<0.010	0.010
1,2-Dichloroethane	<0.005	0.005
m & p Xylene	<0.010	0.010
Vinyl Acetate	<0.005	0.005
2-Butanone	<0.005	0.005
1,1,1-Trichloroethane	<0.005	0.005
Carbon Tetrachloride	<0.005	0.005
Benzene	<0.005	0.005
Trichloroethene	<0.005	0.005
1,2-Dichloropropane	<0.005	0.005
Bromodichloromethane	<0.005	0.005
cis-1,3-Dichloropropene	<0.010	0.010
trans-1,3-Dichloropropene	<0.010	0.010
1,1,2-Trichloroethane	<0.005	0.005
Dibromochloromethane	<0.005	0.005
Chlorobenzene	<0.005	0.005
Styrene	<0.010	0.010

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AIHA Accredited #337, NIST/NVLAP Accredited #1202

CLIENT: LIU P.C.
PROJECT: GSWH4
SAMPLE ID: COC#504600 95092215
DATE ANALYZED: 09/28/95 DATA FILE: 0301004.D
OPERATOR: KK DATAFILE PATH: C:\HPCHEM\1\DATA\28SEP95\
LAB INFO: 5.05 METHOD FILE: VOC8240

COMPOUND	CONC. (mg/kg)	PQL (mg/kg)
4-Methyl-2-Pentanone	<0.005	0.005
Toluene	<0.005	0.005
2-Hexanone	<0.005	0.005
Tetrachloroethene	<0.005	0.005
Ethylbenzene	<0.005	0.005
o-Xylene	<0.005	0.005
Bromoform	<0.005	0.005
1,1,2,2-Tetrachloroethane	<0.005	0.005

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BTEX REPORT

CLIENT: LIU P.C.
PROJECT #: GSWH4
PROJECT NAME: KEDZIE + 76th
DATA FILE: 3401014.D
DATA FILE PATH: C:\HPCHEM\1\DATA\26SEP95A\
OPERATOR: AP/FR
METHOD FILE: QTBTEX
SAMPLE ID: COC#504600 95092216
DATE ANALYZED: 09/26/95
LABORATORY INFO: 5.02
MATRIX: SOIL

TARGET COMPOUNDS	RESULTS	MDL*
	MG/KG	MG/KG
BENZENE	0.013	0.005
TOLUENE	0.160	0.005
ETHYLBENZENE	0.113	0.005
M & P-XYLENE	0.186	0.005
O-XYLENE	0.140	0.005
BTEX TOTAL	0.612	

* currently no ADLs are given for soil
mg/kg is equivalent to Parts Per Million (PPM)

Armenita P. Purdy
STAT ANALYSIS CORPORATION

B ENZENE
T OLUENE
E THYLBENZENE
X YLENES

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PNA REPORT

AHLA Accredited #337 NIST/NVLAP Accredited #1202

CLIENT: LIU P.C.
PROJECT #: GSWH4
PROJECT ADDRESS: KEDZIE & 76TH CHICAGO, IL
DATA FILE: SUPELCO 0143.RPT
OPERATOR: EP
METHOD FILE: PAH8310
SAMPLE ID: COC# 504600 BORING #14, 10'
DATE ANALYZED: 9/28/95
LABORATORY INFO: 16
SAMPLE MATRIX: SOIL

ANALYTES:	RESULTS	PQL'S
	mg/kg	mg/kg
	(PPM)	
NON-CARCINOGENIC PNAs		
NAPHTHALENE	<0.660	0.660
ACENAPHTHENE	<1.200	1.200
ANTHRACENE	<0.660	0.660
FLUORANTHENE	0.918	0.660
FLUORENE	<0.140	0.140
PYRENE	0.456	0.180

OTHER NON-CARCINOGENIC PNAs

ACENAPHTHYLENE	<0.660	0.660
BENZO(G,H,I)PERYLENE	0.346	0.051
PHENANTHRENE	<0.660	0.660
TOTAL	<1.666	

CARCINOGENIC PNAs

BENZO(A)ANTHRACENE	0.384	0.0087
BENZO(A)PYRENE	0.681	0.015
BENZO(B)FLUORANTHENE	0.332	0.012
BENZO(K)FLUORANTHENE	0.257	0.011
CHRYSENE	0.316	0.100
DIBENZO(A,H)ANTHRACENE	0.302	0.020
INDENO(1,2,3-C,D)PYRENE	0.227	0.029

Armenita P. Priddy
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AIHA Accredited #337, NIST/NVLAP Accredited #1202

BTEX REPORT

CLIENT: LIU P.C.
PROJECT #: GSWH4
PROJECT NAME: KEDZIE + 76th
DATA FILE: 3501015.D
DATA FILE PATH: C:\HPCHEM\1\DATA\26SEP95A\
OPERATOR: AP/FR
METHOD FILE: QTBTEx
SAMPLE ID: COC#504600 95092217
DATE ANALYZED: 09/26/95
LABORATORY INFO: 4.60
MATRIX: SOIL

TARGET COMPOUNDS	RESULTS	MDL*
	MG/KG	MG/KG
BENZENE	<0.005	0.005
TOLUENE	<0.005	0.005
ETHYLBENZENE	<0.005	0.005
M & P-XYLENE	<0.005	0.005
O-XYLENE	<0.005	0.005
BTEX TOTAL	<0.025	

* currently no ADLs are given for soil
mg/kg is equivalent to Parts Per Million (PPM)

Reminta P. Indra
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B ENZENE
T OLUENE
E THYLBENZENE
X YLENES

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AIHA Accredited #337, NIST/NELAP Accredited #1202

PNA REPORT

CLIENT: LIU P.C.
PROJECT #: GSWH4
PROJECT ADDRESS: KEDZIE & 76TH CHICAGO, IL
DATA FILE: SUPELCO 0143.RPT
OPERATOR: EP
METHOD FILE: PAH8310
SAMPLE ID: COC# 504600 SURFACE SAMPLES
DATE ANALYZED: 9/28/95
LABORATORY INFO: 17
SAMPLE MATRIX: SOIL

ANALYTES:	RESULTS	PQL'S
	mg/kg	mg/kg
NON-CARCINOGENIC PNAs	(PPM)	
NAPHTHALENE	<0.660	0.660
ACENAPHTHENE	<1.200	1.200
ANTHRACENE	<0.660	0.660
FLUORANTHENE	0.787	0.660
FLUORENE	<0.140	0.140
PYRENE	0.477	0.180

OTHER NON-CARCINOGENIC PNAs

ACENAPHTHYLENE	<0.660	0.660
BENZO(G,H,I)PERYLENE	0.898	0.051
PHENANTHRENE	<0.660	0.660
TOTAL	<2.218	

CARCINOGENIC PNAs

BENZO(A)ANTHRACENE	0.393	0.0087
BENZO(A)PYRENE	1.190	0.015
BENZO(B)FLUORANTHENE	0.757	0.012
BENZO(K)FLUORANTHENE	0.456	0.011
CHRYSENE	0.379	0.100
DIBENZO(A,H)ANTHRACENE	0.699	0.020
INDENO(1,2,3-C,D)PYRENE	0.721	0.029

Armenita P. Pineda
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STAT Analysis Corporation

2201 West Campbell Park Drive Chicago, Illinois 60613-3501 312.733.0551 Fax: 312.733.2356

AIHA Accredited #337, NIST/NVLAP Accredited #1202

ANALYTICAL REPORT

CLIENT: LIU P.C.
PROJECT ADDRESS: KEDZIE & 76TH
PROJECT #: GSWH4
DATA FILE: 5-03724.D
DATA FILE PATH: C:\HPCHEM\2\DATA\26SEP95\
OPERATOR: AP/FR
METHOD FILE: 91095
SAMPLE ID: COC#504600 950922-18
DATE ANALYZED: 09/27/95
LAB INFO: 30.01
MATRIX: SOIL

TYPE OF ANALYSES

SEMI-VOLATILES by 8270	RESULTS	IEPA
	MG/KG	SOIL SDL
		MG/KG

BASE/NEUTRAL COMPOUNDS:

Hexachloroethane	<0.330	0.330
bis(2-Chloroethyl)ether	<0.330	0.330
Benzyl alcohol	<0.330	0.330
bis(2-chloroisopropyl)ether	<0.330	0.330
N-Nitroso-di-n-propylamine	<0.330	0.330
Nitrobenzene	<0.330	0.330
Hexachlorobutadiene	<0.330	0.330
2-Methylnaphthalene	<0.330	0.330
1,2,4-Trichlorobenzene	<0.330	0.330
Isophorone	<0.330	0.330
Naphthalene	<0.330	0.330
4-Chloroaniline	<0.330	0.330
bis(2-Chloroethoxy)methane	<0.330	0.330
Hexachlorocyclopentadiene	<0.330	0.330
2-Chloronaphthalene	<0.330	0.330
2-Nitroaniline	<1.600	1.600
Acenaphthylene	<0.330	0.330
3-Nitroaniline	<1.600	1.600
Acenaphthene	0.477	0.330
Dibenzofuran	<0.330	0.330
Dimethylphthalate	<0.330	0.330
2,6-Dinitrotoluene	<0.330	0.330
Fluorene	0.662	0.330
4-Nitroaniline	<1.600	1.600
4-Chlorophenyl-phenylether	<0.330	0.330

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AIIA Accredited #337 NIST/NELAP Accredited #1202

ANALYTICAL REPORT

CLIENT: LIU P.C.
PROJECT ADDRESS: KEDZIE & 76TH
PROJECT #: GSWH4
DATA FILE: 5-03724.D
DATA FILE PATH: C:\HPCHEM\2\DATA\26SEP95\
OPERATOR: AP/FR
METHOD FILE: 91095
SAMPLE ID: COC#504600 950922-18
DATE ANALYZED: 09/27/95
LAB INFO: 30.01
MATRIX: SOIL

TYPE OF ANALYSES

SEMI-VOLATILES by 8270	RESULTS	IEPA SOIL SDL
	MG/KG	MG/KG
2,4-Dinitrotoluene	<0.330	0.330
Diethylphthalate	<0.330	0.330
n-Nitrosodiphenylamine	<0.330	0.330
Hexachlorobenzene	<0.330	0.330
Phenanthrene	2.105	0.330
4-Bromophenyl-phenylether	<0.330	0.330
Anthracene	1.194	0.330
Di-n-butylphthalate	<0.330	0.330
Fluoranthene	2.577	0.330
Pyrene	4.500	0.330
Butylbenzylphthalate	0.819	0.330
bis(2-Ethylhexyl)phthalate	5.210	0.180
Chrysene	2.339	0.330
Benzo[a]anthracene	2.451	0.330
3,3'-Dichlorobenzidine	<0.660	0.660
Di-n-octylphthalate	3.653	0.330
Benzo[b]fluoranthene	2.183	0.330
Benzo[k]fluoranthene	1.616	0.330
Benzo[a]pyrene	1.934	0.330
Indeno[1,2,3-cd]pyrene	0.424	0.330
Dibenz[a,h]anthracene	<0.330	0.330
1,2-Dichlorobenzene	<0.330	0.330
1,3-Dichlorobenzene	<0.330	0.330
1,4-Dichlorobenzene	<0.330	0.330
Benzo[g,h,i]perylene	0.432	0.330

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CLIENT: LIU P.C.
PROJECT: GSWH4
SAMPLE ID: COC#504600 95092218
DATE ANALYZED: 09/28/95 **DATA FILE:** 0401005.D
OPERATOR: KK **DATAFILE PATH:** C:\HPCHEM\1\DATA\28SEP95\
LAB INFO: 5.00 **METHOD FILE:** VOC8240

COMPOUND	CONC. (mg/kg)	PQL (mg/kg)
4-Methyl-2-Pentanone	<0.005	0.005
Toluene	<0.005	0.005
2-Hexanone	<0.005	0.005
Tetrachloroethene	<0.005	0.005
Ethybenzene	<0.005	0.005
o-Xylene	<0.005	0.005
Bromoform	<0.005	0.005
1,1,2,2-Tetrachloroethane	<0.005	0.005

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AIHA Accredited #337 NIST NELAP Accredited #1202

ANALYTICAL REPORT

CLIENT: LIU P.C.
PROJECT ADDRESS: KEDZIE & 76TH
PROJECT #: GSWH4
DATA FILE: 4600MET6
DATA FILE PATH: SEMI\EXCEL\REPORTS\
OPERATOR: GAB/BR
SAMPLE ID: COC# 504600 950922 18
DATE ANALYZED: 9/27/95

TYPE OF ANALYSES	RESULTS MG/L	CORRECTED		REGULATORY LEVEL MG/L		
		RESULTS MG/L	REGULATORY LEVEL MG/L			
TCLP METALS:						
PRIORITY POLLUTANTS						
ARSENIC (AS)	0.009	0.01		0.05		
BARIUM (BA)	1.04	0.74		2.0		
CADMIUM (CD)	0.033	0.037		0.005		
CHROMIUM, TOTAL (CR)	< 0.06	< 0.07		0.1		
LEAD (PB)	0.053	0.061		0.0075		
MERCURY (HG)	< 0.0005	< 0.0005		0.002		
SELENIUM (SE)	< 0.007	< 0.009		0.05		

Arminita P. Finch
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CLIENT: LIU P.C.
PROJECT: GSWH4
SAMPLE ID: COC#504600 95092219***
DATE ANALYZED: 09/28/95 DATA FILE: 0501006.D
OPERATOR: KK DATAFILE PATH: C:\HPCHEM\1\DATA\28SEP95\
LAB INFO: 5 METHOD FILE: VOC8240

COMPOUND	CONC. (mg/L)	PQL (mg/L)
4-Methyl-2-Pentanone	<0.005	0.005
Toluene	<0.005	0.005
2-Hexanone	<0.005	0.005
Tetrachloroethene	<0.005	0.005
Ethylbenzene	<0.005	0.005
o-Xylene	<0.005	0.005
Bromoform	<0.005	0.005
1,1,2,2-Tetrachloroethane	<0.005	0.005

Anne-Marie P. Rieder
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AIHA Accredited #337, NIST/NELAP Accredited #1202

ANALYTICAL REPORT

CLIENT: LIU P.C.
PROJECT ADDRESS: KEDZIE & 76TH
PROJECT #: GSWH4
DATA FILE: 4600MET7
DATA FILE PATH: SEMI\EXCEL\REPORTS\
OPERATOR: GAB/BR
SAMPLE ID: COC# 504600 950922 19
DATE ANALYZED: 9/27/95

TYPE OF ANALYSES	RESULTS MG/L	CORRECTED RESULTS MG/L	REGULATORY LEVEL MG/L
ARSENIC (AS)	<0.005	<0.006	0.05
BARIUM (BA)	<0.120	<0.086	2.0
CADMIUM (CD)	0.006	0.006	0.005
CHROMIUM, TOTAL (CR)	<0.06	<0.07	0.1
LEAD (PB)	<0.001	<0.001	0.0075
MERCURY (HG)	<0.0005	<0.0005	0.002
SELENIUM (SE)	<0.007	<0.009	0.05

Arminita P. Rudey
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AIHA Accredited #337, NIST/NVLAP Accredited #1202

ANALYTICAL REPORT

CLIENT:	LIU P.C.
PROJECT ADDRESS:	KEDZIE & 76TH
PROJECT #:	GSHW4
DATA FILE:	4600HER
DATA FILE PATH:	SEMI\EXCEL\REPORTS
OPERATOR:	FEL
SAMPLE ID:	COC# 504600
DATE ANALYZED:	10/2/95

TYPE OF ANALYSES	RESULTS	REGULATORY LEVEL
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HERBICIDES:

950922 14

2,4-D (mg/kg)	< 0.80	10.0
2,4,5-TP (SILVEX) (mg/kg)	< 0.11	1.0

950922 19

2,4-D (mg/L)	< 0.00120	10.0
2,4,5-TP (SILVEX) (mg/L)	< 0.00017	1.0

Arminita P. Fuday
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APPENDIX B - Laboratory Results

LIU P.C.

417 S. DEARBORN ST.
SUITE 400
CHICAGO, IL 60605

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CHAIN OF CUSTODY RECORD

PROJ. # GSWTH4		PROJECT NAME Kestie & 76 th Chicago, IL		# OF CAR BOUGS	AC=COMPOSITE (C=CRAB)						
SAMP. #	DATE/TIME	C	G	BUILDING / LOCATION	REMARKS / DESCRIPTION						
7267	7/22 01	7/21		" 714, 7 1/2 - 5 1/2"	2	✓					
7268	02	"		" 712, 7 1/2 - 5 1/2"	2	✓					
7269	03	"		" 713, 12"	2	✓					
7270	04	"		" 711, 8 1/2 - 15"	2	✓					
7271	05	"		" 714, 22"	2	✓					
7272	06	"		" 715, 8-10"	2	✓					
7273	07 9/22	"		" 716, 2-3"	2	✓					
7274	08	"		" 717, 15"	2	✓					
7275	09	"		" 718, 15"	2	✓					
7276	10	"		" 718, 24"	1	✓					
7277	11	"		" 719, 26"	1	✓					
7278	12	"		" 711, 16"	1	✓					
RELINQUISHED BY: H. A. J. J.		DATE	TIME	RECD. BY	DATE	RELINQUISHED BY:					
RELINQUISHED BY:		9/22/67		J. H. J.	9/22/67	RELINQUISHED BY:					
RECEIVED BY:		DATE	TIME	RECD. BY	DATE	RECD. BY DATE					
RECEIVED BY:		DATE	TIME	RECD. BY	DATE	RECD. BY DATE					
REMARKS: Samples 14 and 19 Plastic wrapped samples 14 and 19 For PP + Post + Test. All the samples for without Post + Test											

Please compare samples 14 and 19

For PP + Post + Test.

All the samples for without Post + Test

LIU P.C.

417 S. DEARBORN ST.
SUITE 400
CHICAGO, IL. 60605

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CHAIN OF CUSTODY RECORD

PROJ. #		PROJECT NAME <i>Kingside + 78th</i>		# OF CAR BOBS	AC=COMPOSITE AG=CRAB	REMARKS / DESCRIPTION					
CENWHA4		Chicago, IL									
SAMPLER(SIGNATURE)											
SAMP. #	DATE / TIME	C	C	BUILDING / LOCATION							
121	7/22/22 13:07:22			Building #12, 10'	1	dark, dry clay, wet sample.					
120	"			" 7/13, 10'	2	dark fill material "					
121	14	"		" 7/13, 10'	3	dry soil "					
122	15	"		" 7/13, 10'	4	dark fill material "					
123	16	"		" 7/14, 10'	5	dark fill material "					
124	17	"		Surface samples, 7/14	6	dark fill pile "					
125	18	"		Building #12, 10'	7	dry clay "					
	19	"		Surface materials, 7/14	8	water sample.					
RELINQUISHED BY:		DATE / TIME		RECD. BY	DATE	RELINQUISHED BY:	DATE / TIME		RECD. BY	DATE	
<i>J. Liu</i>		7/22/22		<i>J. Liu</i>							
RELINQUISHED BY:		DATE / TIME		RECD. BY	DATE	RELINQUISHED BY:	DATE / TIME		RECD. BY	DATE	
RELINQUISHED BY:		DATE / TIME		RECD. BY	DATE	REMARKS:					

LIU P.C.

417 S. DEARBORN ST.
SUITE 600
CHICAGO, IL. 60605

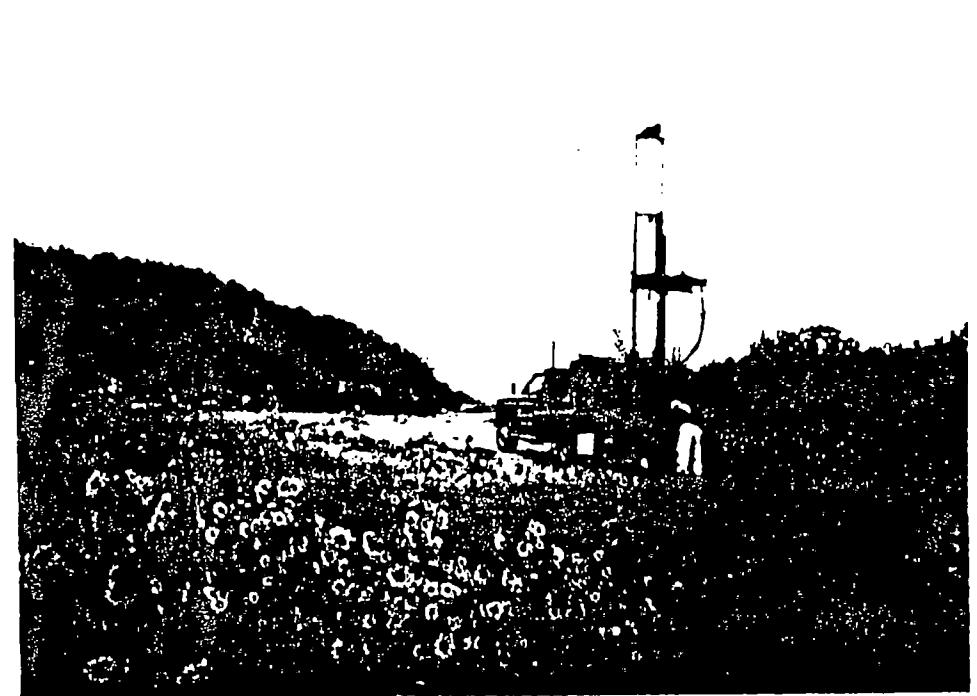
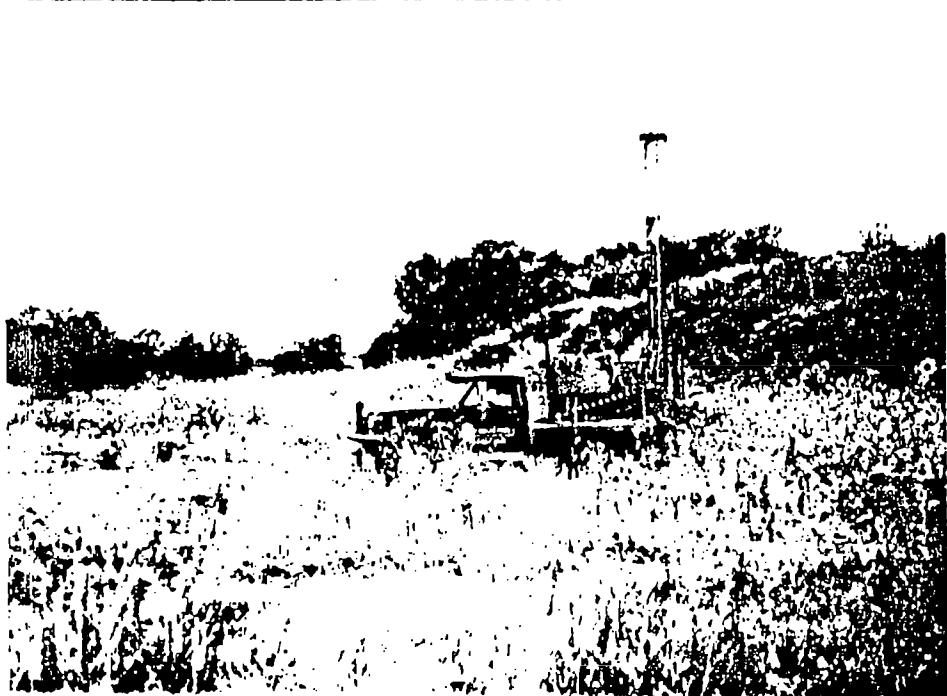
TOTAL P. 24

CHAIN OF CUSTODY RECORD

PROJ. # <i>GSWH4</i>	PROJECT NAME <i>Kelzic's 4-76</i> <i>Chicago, IL</i>				# OF CARDS <i>PICTURES</i>	AL-COMPOSITE AL-CRAB				
SAMP. #	DATE/TIME	C	C	BUILDING / LOCATION	REMARKS / DESCRIPTION					
ACM01	3/2/81			2nd flr sh. tile	by Drama, N of exterior					
02	" "			2nd flr sh. tile	" " "					
03	" "			BL/1st sh. tile	on the pole, " "					
RElinquished by: <i>H. Vojna</i>	DATE	TIME	RECD. BY	DATE	RElinquished by:	DATE	TIME	RECD. BY	DATE	
RElinquished by:	DATE	TIME	RECD. BY	DATE	RElinquished by:	DATE	TIME	RECD. BY	DATE	
RElinquished by:	DATE	TIME	RECD. BY	DATE	REMARKS: <i>and 1/2 s.s. for asbestos.</i>					

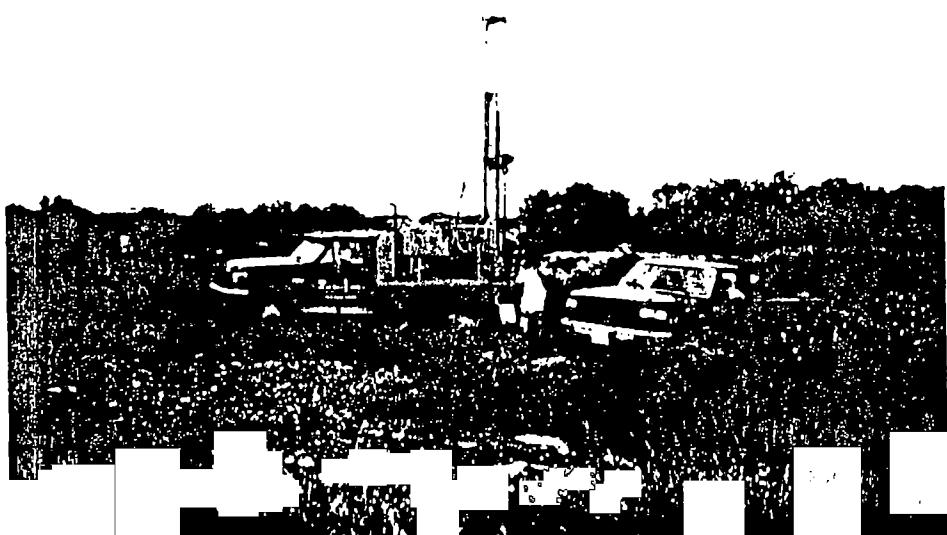
RECORDED T.A.T.

APPENDIX D - Site Photograph



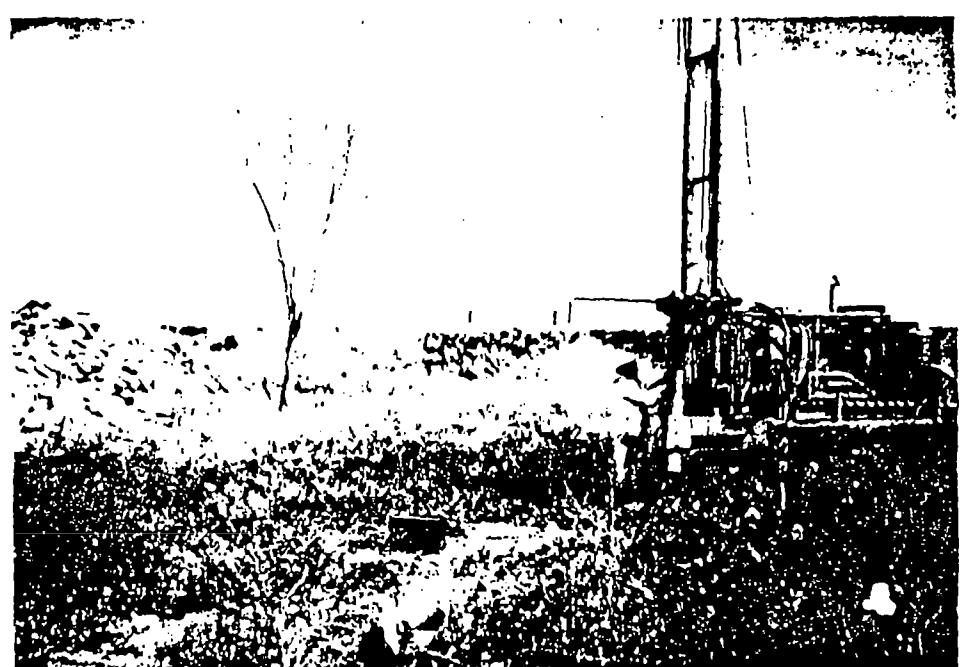
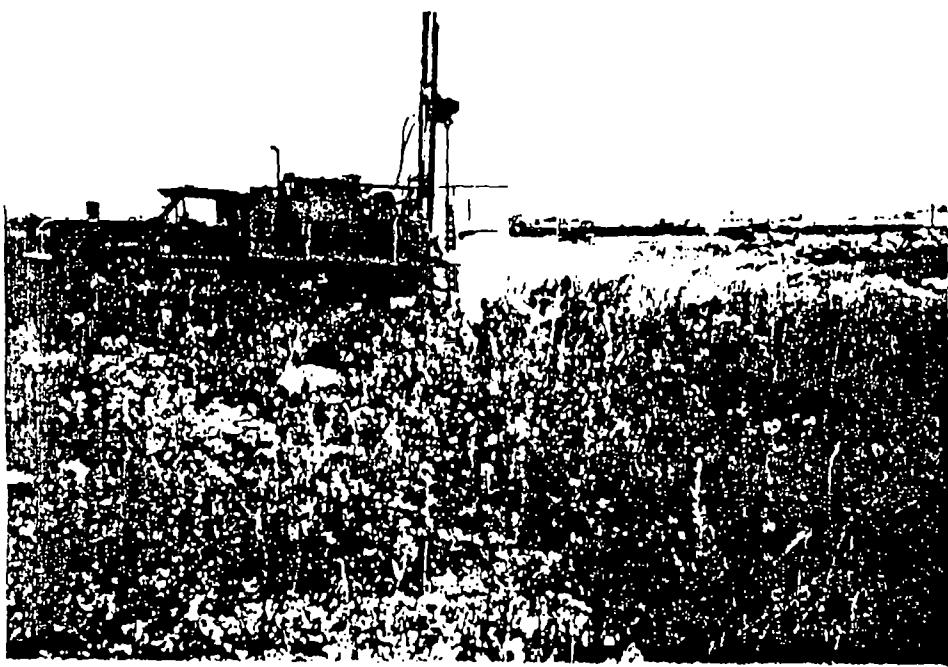
A. Central section (Soil Boring #1).
photograph looking west

B. Northeast section (Soil Boring #3).
photograph looking northwest



C. North section

GREATER SW DEVELOPMENT
3000-3350 WEST 76TH STREET
CHICAGO, ILLINOIS



A. Central section (Soil Boring #9),
photograph looking southeast

B. Southwest section (Soil Boring #13),
photograph looking east

C. West central section, photograph looking
northwest, standing in central section

GREATER SW DEVELOPMENT
3000-3350 WEST 76TH STREET
CHICAGO, ILLINOIS



A. North central section, photograph looking northwest, standing in central section

B. South central section, photograph looking southeast, standing near Soil Boring #9

C. Southwest section, photograph looking south, standing near Soil Boring #9

GREATER SW DEVELOPMENT
3000-3350 WEST 76TH STREET
CHICAGO, ILLINOIS